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nntcaaatc cngtgactgg gatcactcaa cagnacngtg atgtangann nncaangagg 120
tgccnnnctn aactgaccaa atgctgcctt gtttgccccc taaatcaata aaatatgtna 180
aaatttgat cccctgttgt ggcatttttn tnagataatc naagcnagaa aaatganang 240
gaatnctgga ccnggnnggg aaggaaaaga accctttctt gtcgctggna actgtgttg 300
taaggaaagtc caaatgttg catatgaaat aagccgnaac cgctggaacn nactcctat 360
gcagctnctc ttganccana aacaaggagc ttggtctaata gganatacac tgtgcttg 418

<210> 504
<211> 202
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<213> Homo sapiens

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atggtaatcc tgctcagtac gagaggaacc gcaggttcng acatttggtg tatgtgcttg 120
gctgangaac caatggggcg aanctaccat ctgtgggatt ntgactgaac gcctctaatt 180
cnaaatcccg cccatgcgga ac 202
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tcagcatctg caatgggcca aacacacctc aaattggctg agttgagaaa gcagccccag 120
tagttccatt cttgcccagc actttctgca ttccaaacag catcctacct ggggttttta 180
tccacaaagg ttagcggcca catggttttt aaattatgaa gaaacacatt tgtcctctcc 240
ttttatccaa gcaggaanat cctatatccc tgatgggttaa aaacaaatcc aggccaccct 300
gaatttgcta ccccaaaaaa gagatttggg taanctgttt cncggtttg ttccctaagg 360
ccatatttta aaattaccac tctgggggtc ccntnaaaac cccngccggg gaccatcttg 420
cnntntgggt aaaacccctt gtttcaatct ctaaatttnc ccctaaggag ggggttggct 480
tnaaaatttg ggggaactta tcnccttca ngttttttcc ggggtacccc cccttggngg 540
gggaaaccct ggctcgggga ntganaaa 568
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<222> (140)

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<222> (178)

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taatttaagt aattgctgac tgcatagctc ttttccttna gaggtctctc attttaattc 120
aaaaagttag catatttatn aaccatgaaa ttgaaaacc agggcttttt ttttttngg 180
ggggttg 187
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<210> 507

<211> 68

<212> DNA

<213> Homo sapiens

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<400> 507
tacgagggtc attttttttt tttttttttt tttttttttt tttttttttt tttnccccc 60
cccnnc 68

<210> 508
<211> 366
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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tctttgtttt aatcttgcaa tgtgctttcc ttgtngctgg gcggatgaat gtttactnaa 120
cgatgaaatt ttaacatcca aaggggggata ggcacttggn nccccattc tnccaaggcc 180
cgggggggcg gtttcccatg ggaatgtgaa aaggctggcc attattaagt ccctgtaaat 240
naatgtgaaa cccacccggg gcaccccccg tccccaaaag ttttggttgt ttaaaaataa 300
gnnttccatg ggnagttttt aaaaacctgg tngccccgnt tttttttnaa ttaaaataag 360
ggtnag 366

<210> 509
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<212> DNA
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<220>
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<222> (282)
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cnggggtctga tttntcact gaactccacc gaccaactnc cctaagcccc nagggcctcc 120
agggaccagg ttcgagaccc aaaccnchnaa aatccaaaac ttctcttgaa aagttcaggg 180
accgtccagg ggagatgggg nggagatatg gagtgagtca cctgactcca gaagatgcca 240
gnttctctct ccagggtgct tagttggctt tgaccacccc tnactcccca gggagctctg 300
gggcacagct tcctgcacan ccctgtgccc aaccacacag ctgccntagc tgnaccccca 360
gaagtgtctt tggntgaccc tntggtgtgt ggtgaggggt ttgtgttccc ttntgttttc 420
agaccctcga ttttccgtaa tggtttgggn gagttgggga ggttcaagca gagtgtttta 480
ttattntcgg tttatg 496

<210> 510
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<220>
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<220>
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 cgaagctacc atctgtggga ttatgactga acgcctctaa gtcagaatcc cgcccaggcg 120
 gaacgatacg gcagcgccgc ggagcctcgg ttggcctcgg atagccggtc ccccgctgt 180
 ccccgccggc gggccgcccc cccctccacg cgccccgcgc gcgcgggagg gcgcgtgccc 240
 cgccgcgcgc cgggaccggg gtccggtgcg gagtgcctt cntcctggga aacggggccc 300
 ggctggaaag gcggccgttt agaggatcca agcttacgna cgcgatcatg cnangccata 360
 nct 363

<210> 511
 <211> 331
 <212> DNA
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<222> (301)
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<222> (318)
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naggaatang ccggnaaagc ttctacgcct gcaggtaccg gtccggaatt cccgggtcta 60
cccacntttc cgcataagtg ttcatactgn tacatgcaga acatttgtoa ggctctctgt 120
cagcttttcat gtacatatgg tatagaaacc atggagttag gcacttcctg gatttttttt 180
ttatgagaaa aatactgtat ttaaaatgta aaataaactt ttaaaaagca aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa aaaaaaaaaa agaaaaaacag 300
nttaaaaaac anaaaatnaa aaaaaaaaaa a 331

<210> 512
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<212> DNA
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<222> (748)
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tcattttcaa aaaacaagca tgactcacca aaagttttaa gattttctgt gataatgttc 120
ttattgaggg ttacattata ttacagtttc ttgaatetaa aatgatgtac cctcttagga 180
tatatacatc atgcttcatt ggtctcaggg ggctgatttt tataaggaga gatttgctag 240
ttttcacaaat atgtcctcta agttggcatg tatagctaaa caggctttca taaaaatata 300
caatttagtt aatgaaattt gggatatagt cttttatgat tgaaataatt ttgctaaata 360
gactgtctct gatttattag gtaatcacca ctcttatttt gttttacttc cttaatgtct 420
acatagaaaag gaaatgagaa aaatccagag gttgtcattt gacttatgag tctgtttgac 480
ttcaggattt ggtacatgaa atttcactta atctttttga tatgtataaa acaaatattc 540
tgggtaatta tttttatcct tttggttttg antccttttt attcctatca tattgaaatt 600
ggtaagttaa ttttcctttg aaatattcct tatagccagg tctaaaattc aatgggcccc 660
caaccgncaa ccgccaacaa caaccaaccc cactttacta tcatggctgg gtgcctccaa 720
tttnccctct gggaaccacc cagttaantt aaaa 754

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<212> DNA
<213> Homo sapiens

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agaacanaca ggaatnctga nttaagcaca gagttgaagt ttataccoga ttcacatgct 120
tttcaagaat ntcgcaatta ctaagaagca gataatggtg ttttttagaa acctaattna 180
ggtatatattca accaaatact tttaaangta taaaataaat attatacaat anacttgtgt 240
agcag 245
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<211> 393

<212> DNA

<213> Homo sapiens

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<222> (302)

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<222> (312)

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<222> (327)

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<222> (382)
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<400> 514
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aacgttaatt gatataaaaa aaaaaaacanc aaaattnggc ttgnaaaact gacttttnca 120
ttangngggt ttgaaatct ngccccagac atactgtgtt gngagatact tagngggagg 180
gagtaggttt tnangnggtt gatggtggtg gggaggggaag gcctcctgaa ttgngtttga 240
tgcagagctt tttagccatg angaatcttt cagtcatagt actaataatt aaatttncag 300
tntttaaaaa gncaagntnt ttgtccnttt tgnntttctg nactccctgg aaagttccnt 360
tnggcggtgg ggcccaaagc tnttggtttt cct 393

<210> 515
<211> 231
<212> DNA
<213> Homo sapiens

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<220>
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ccggttcaca attccttcac ccaaaantca tctcatggta tacatggctc ctantccttt 120
ncattacctg atggtagaaa taaaataatt cactttaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaagggn ggccgntnta gaggatccaa gtntacgtan g 231

<210> 516
<211> 82
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (36)
<223> n equals a,t,g, or c

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tagcctnttc tctgccttac tt 82

<210> 517
<211> 237
<212> DNA
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agctgagctg ggaggagcag ggtgagggtg ggcgaccag gattccccct ccncttccca 180
aataaagatg aggggtactta aagttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 237

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aacagccccg gcgncgcctc tattggctct cggccttggc aacggccgtc gtcattggta 180
ctggccctaa cagccgatgg ccgaagccga cctgccaccg ggcggggctc ctggttgcc 240
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tcggaggcca tctcgggcac agggccaccc cgccccaccc ctccagaaca cggctcacgc 180
ttacctcaac catcctggct gcggcgtctg tctgaaccac gcgggggcct tgagggacgc 240
tttgtctgtc gtgatggggc aagggcacaa gtcttgatg ttgtgtgtat cgagaggcca 300
aaggctggtg gcaagtgcac ggggcacaag cggagtctgt cctgtgacgc gcaagtctta 360
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tctgtgctg 129

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 aaaattaaat gngganttca ctttgagtt gctgctgtnc aacgnacatt actcaatctt 180
 tatgtncggc attctatgct ctactgggga aatttgggta ggagtgangt atttngtata 240
 catatctnca tttaataatg gcaatngctg ggtctatctt actattttan ctattggata 300
 aatattttgt ttccccagc tgctggggnt gcaggcgtgn cccactgng gcccggccac 360
 attcagttct tatccaagg ataacccng cnt 393

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ataaaaactga aaacagacta tcttta

146

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cagccaaggt tgcggggggc gcagagccgg acgaagacgg agggcggagc ggcttcggga 180
ctgcggagac tacacaccga gcgagcgccct gggcccgaag gagcgatgct gtggttccag 240
ggcgccattc cggccgccat cgcgacggcc aaaaagancg gcgcgtcttc gttgtgttcg 300
tggcagtgat gatgaacant ctacacagnt ggcttcaagt tnggaa 346
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cgagaagacc ctatggagct ttaattttatt aatgcaaaca gtaccttaaca aaccacacagg 120
tcctaaacta ccaaacctgc attaaaaatt tcggttgggg cgacctcgga gcagaaccca 180
gcctccganc antacatgct aanacttcac cagtcaaagc gaactactat actcgattga 240
tccaataact tgaccaacgg aacaagttac cctngggata acagcgcaat cctattctan 300
agtccatata aacaataggg tttagcactt cgatnttgga tcatgacatc ccgatggtgc 360
agccgctatt aaaggttcgt ntgttcaaca attaaagtcc tacgtgatct gagtnacanac 420
cggantnatc caagtcggtt tctatctact tcaaattcct ccctgttcga 470

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aaacantngn ngccngntta tagattagaa gaggtcaagg ataaagatgg naagccactc 120
ctgncaaaaag agtctnaagg nacagcttcc acccatggag tggaagactt ccttctgggg 180
tggtcttgtg tgtagggnc tctgctggtt ccacaaaatn gcttcatctg cttaaaattt 240
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tccnatttgt atttaagtta cctaatttaa gaaggtttta aaaatggaaa ttcagtatat 120
aatatttgtg nggttttttt ccacagtga aatgaaatt atgcagaaaa ttttccccac 180
aacatgacag ngaaaggaat tctgggacac gttttttccc agtcccatta ttttcacagg 240
gatcggctgg aatacagggt caaaggatct ctttgccaga atgtgccaaa ntngntgaaa 300
aaggtaactg tttatcnctg atn                                     323
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ggangtccaa acttggaatc aaacggnccgn actgttaaata tatatcttat naactnatta 180
aatgaaaaca ttttgctccg taaaaagaat ataaaaaagt 220
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<400> 529

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tcctttcacg gggaatacaa cacttatgag gtggtttaga caaattaatg accacttcca 120
tgtaaaagga tgctcttatg ttctatataa gcctcatggg aagaataaaa cagcaggaga 180
aactgcttca ggggccctgt caaagttaac ccgtgggatt gaaagatgaa tcgctggctt 240
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ctgtgatgag gacccaaag 79

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gactnaggag gagnggtttg aagttgatca gctccagggt ttgtgaaaat tcantccgca 180
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<220>

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<220>
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<222> (332)
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ttttnttgtg tgnagtttt natagtatcc atattttaat nactgtttnt tacttccatg 120
aaattttaaa aatctgaagg gnaaatgttt tgtgaaacat ttattttttt aaaggaaaaag 180
ntgaaaaggca ggcctatttc atcacaggac cacacacatn tncncggmnt agggcatnca 240
nactcaatgg cttnttttgt gaaatttggt tggttttttna attnttntct gntcaaatgg 300
atgtggccaa aaacctttta nctgggttgg cntgggaaat t 341

<210> 533

<211> 208

<212> DNA
<213> Homo sapiens

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<220>
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<400> 533

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ccatgggctg anacctgacg gtgaaagatg ctggcgggca acnaattcca ggtgtccctg 120
aagncagctg ccatgtgggt gtnaaagctg aaggcgcgag ntncacccag naagatcggg 180
gtgcacgctn tnttagccag gcgtttgg 208
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<210> 534

<211> 252

<212> DNA

<213> Homo sapiens

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<222> (101)

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<222> (152)

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<222> (163)

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<222> (250)

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<220>

<221> misc feature

<222> (251)

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<400> 534

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ttagaaaagt tcaacagggg gctgctggca acatgaaagg natgatggga attcaatgaa 120
tatgtgaaag gaaaatgccc ttgaatatga anctgaactg canttgaaat gacctgaatt 180
tgccctgagaa cctgcagcgt ttnccttcc tttttgccga aattgggcgg ggaaagtgtg 240
attttnnctn ng                                     252
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<210> 535

<211> 380

<212> DNA

<213> Homo sapiens

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<220>
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<222> (213)
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<220>
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<222> (215)

<223> n equals a,t,g, or c

<220>

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<222> (232)

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<222> (256)

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<222> (302)

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<220>

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<222> (307)

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<220>

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<222> (309)

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<222> (313)

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<222> (317)

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<222> (344)
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<220>
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<222> (346)
<223> n equals a,t,g, or c

<220>
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<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
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<400> 535
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tagagagtta agatgtaaat gtgttctcac atgtnaantt tgagagttca ggggtctatt 120
atggaatgat acacnttttt aatgaacctt aaaatanttc actaagntgt ttgccttcca 180
nagtgtttac ccttaagcct taacntgtat ctncnttcag aaaaccgtta tnttggtcaa 240
accatagtag gaaganaaac ctttatttgg gatataacac tactgtaagt tatgttacag 300
angctananc canccnctg tggtananta nangagccaa aannancaan agaaaaaagg 360
ggaaaagaaa aactaatang 380

<210> 536
<211> 91
<212> DNA
<213> Homo sapiens

<220>
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<222> (15)
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<220>

<221> misc feature
<222> (34)
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<220>
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<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<400> 536
ggcacgaggt ctctngaaca cgctgcgggg ctncgggnc tgagccaggt ctgtntcca 60
cgcaggtntt ctgcgcgcc cgttcagcca t 91

<210> 537
<211> 316
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (232)
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<220>
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<222> (277)
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<220>
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<222> (288)
<223> n equals a,t,g, or c

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<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<400> 537

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atTTTTaaac atctgataaa acttaagctt ctttttcaga tgTTTaaatt ttatcatcct 120
TTTTTTtctc atgaattctt aaaggattat gctTTaatgc tgnatctat cttattgttc 180
ttgaaaatac ctggcatttt ttggtatcat gttcaaccaa catcattatg anattaatta 240
gattcccatg gccataaaaa tggcttTaaa agaatanata tatattTtnn aagtagctga 300
gaagcaaattg ggcngt 316
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<210> 538

<211> 374

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

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<222> (13)

<223> n equals a,t,g, or c

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<222> (16)

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<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

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<222> (303)
<223> n equals a,t,g, or c

<220>
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<222> (306)
<223> n equals a,t,g, or c

<220>
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<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
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<222> (354)
<223> n equals a,t,g, or c

<400> 538
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tgatcccat cgctgtgggt ggtgccctgg cggggctggt cctcatcgtc ctcatcgct 120
acctcgtcgg caggaagagg agtcacgcag gctaccagac tatctagcct ggtgcacgca 180
ggcacagcag ctgcaggggc ctctgttcct ttctctgggc ttagggtcct gtcgaaggga 240
gggcacactt tctggcaaac gtttctcaaa tntgggtcat ccaatgtgaa gttccatctt 300
ggnaancatt tgactatgca caacagatta attancgaaa tggacggtgt tnantttggc 360
taaattgggtt aaat 374

<210> 539
<211> 109
<212> DNA
<213> Homo sapiens

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<220>
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<222> (46)
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<220>
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<220>

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<222> (62)

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<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

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<222> (108)

<223> n equals a,t,g, or c

<400> 539

gtgggattnc tgtgcaggag ggtcgtggtc tggctgtggc ggaggnncat aagaaggtaa 60
cncgacctgg cgcggcagac anggctcgaa gacctcatct ttattaana 109

<210> 540

<211> 396

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

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<220>

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<222> (390)

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<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<400> 540

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tgtggcggcc aagcgttcat agcgacgtcg ctttttgatc cttcgatgc ggctcttcct 120
atcattgtga agcagaattc accaagcgtt ggattgttca cccactaata gggaacgtga 180
gctgggggtt agaccgtcgt gagacaggtt agttttaccc tactgatgat gtgttggtgc 240
catggtaatc ctgctcagta cgagaggac cgcagttcag acattggtgt atgtgctggg 300
ctgaggagcc aatggggcga aactacccat ctgtggggan tatgactgaa cgncttctaa 360
gtcagnatcc cgcccaagcg gaaacgatan ggnagc 396
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<210> 541

<211> 429

<212> DNA

<213> Homo sapiens

<220>

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<222> (314)

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<220>

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<222> (353)

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<220>

<221> misc feature

<222> (382)

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<222> (414)

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<220>

<221> misc feature

<222> (418)

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<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<400> 541

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caagcggttca tagcgacgtc gctgtttgat ccttcgatgt cggctcttcc tatcattgtg 120
aagcagaatt caccaagcgt tggattgttc acccactaat agggaacgtg agctggggtt 180
agaccgtcgt gagacaggtt agttttaccc tactgatgat gtgttggtgc catggtaatc 240
ctgctcagta cgagaggaac cgcagttcag acatttggtg tatgtgcttg gctgaggagc 300
caatggggcg aacnaccatc tgtgggatta tgactgaacg cctctaagtc agnatcccg 360
ccaggcgga cgcatacgcc ancgccgagg agcctcggtt ggcctcggat agancgggnc 420
ccgcctgt 429

<210> 542

<211> 617

<212> DNA

<213> Homo sapiens

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ccacgcgtcc gagtttccct caggatagct ggcgtctctg cagacccgac gcacccccgc 120
cacgcagttt tatccggtaa agcgaatgat tagaggtctt ggggccgaaa cgatctcaac 180
ctattctcaa acttttaaatg ggtaagaagc ccggctcgct ggcgtggagc cgggcgtgga 240
atgcgagtgc ctagtgggcc acttttggtg agcagaactg gcgctgcggg atgaaccgaa 300
cgccgggtta aggcgcccga tgccgacgct catcagaccc cagaaaaggt gttggttgat 360
atagacagca ggacggtggc catggaagtc ggaatccgct aaggagtgtg taacaactca 420
cctgccgaat caactagccc tgaaaatgga tggcgctgga gcgtcggggc catacccggc 480
cgtcgccggc agtcgagagt ggacgggagc ggcgggggcg gcgcgcgcgc gcgccgtgtt 540
ggtgttcgcc gntttccag tgggcaagcg ccccaacccc cttccttntt ggttcctctt 600
nccccaatng gnaacaa 617
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<210> 543

<211> 302

<212> DNA

<213> Homo sapiens

<220>

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<222> (134)

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<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (156)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

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tgtacattgc taccagatta tggatggact gatctgaaaa tcaacctcaa ctcaaggggtg 120
gtcagctcaa tggnnacag agcacggnc tttggnttct ttgcagtact ttgaatttat 180
ttttctacct atatatgttt tatatgctgc tgggtgctcca ttaaagtttt actctgtgtt 240
gcaaaaaaaaa aaaaaaaaaa aaaaaaaag gggggccccc nntaaggggc ccnantttng 300
ga 302

<210> 544
<211> 534
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
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<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
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<222> (317)
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<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
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<222> (320)
<223> n equals a,t,g, or c

<220>
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<222> (327)
<223> n equals a,t,g, or c

<220>
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<222> (332)
<223> n equals a,t,g, or c

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<222> (336)
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<220>
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<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
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<222> (461)
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<220>
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<222> (483)
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<220>
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<222> (493)
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<220>
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<222> (498)
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<400> 544
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ttctgcataa tgaattaact agaaataact ttgcaaggna gagccaaagc taagaccccc 120
gaaaccaaac gagctacctt nnagaacgct aaaagagcac acccgtctat gttngccaaa 180
tagtggaaaa aatttatagg ttgaaggcga acaaacctac cgacctggta atactggttt 240
gttccaaaat anatcttaat ttccactttt aattttgccc ncnaaacccn ctaatncccc 300
tttttaattt actgttnngn tcccaanaag gnaacnncnt ttgggacnct tngaaaaacc 360
ttttttaaaa aaattttaaa tttntncccc ttntgggggc cctaaacccc ccccttttna 420
aaaggntttt tcaccncccc ccccccccg aaaccccccc nttttttttt ccccccccc 480
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aactactctt caagtgggtg cncagtccca gcanggcagt ccgcctctcc ccctgctgag 120
actttaatct ccaccagccc ttaaagtgtc ggccgctctg tgactggant tatgctcttt 180
tgaaatgtca caaggccgcc tcccatctct ggggggtattg ttacaaattc ttcctctccc 240
tgaaatngcc tttcctgctt tcctccgtgg gtaagttna ncaaatttcc tctagcttnc 300
ctggaaggaa tcaactcccc caaggaaacc tcccttnct tttcctgggg tgtn 355
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<220>

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<220>

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<222> (252)

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<220>

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<222> (268)

<223> n equals a,t,g, or c

<400> 546

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ggattcttct cactagtctt aacaaaatct gtgatgttaa atgactgatg ctctcaattg 120
tgatccagag ttttaaataa atgaaatcaa ggtgggattt tgggaatata tcctgaantt 180
taacatcttg atgttccttc ttgtttgtta aaaaaaaaaa aaaaaactcg angggggggc 240
cggtacccaa tnccccctaa tagtgannc 269
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<210> 547

<211> 82

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<220>

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<222> (63)

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<400> 547

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<210> 548

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<222> (311)

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<222> (338)

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<220>
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gtatttagtc tccattgtct tgcattggga ttgagaaga aaatcagaga gggaagatct 120
ggtatttcct ggcctaaatt ccccttgggg aggacagggga gatgctgcag ttccaaaaga 180
gaaggtttct tccagagtca tctacctgag tcctgaagct ccctgtcctg aaagccacag 240
acaatatggg cccaataaac cgaatgcacc ttctgtgctt ccantttctt ccttgaaatt 300
caagggtctt nccgtttccc cattcccccc caggccantc caanttattc caaacctgn 360
tt 362

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<212> DNA
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<222> (284)
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<220>
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<222> (437)
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<220>
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tgagggtgggt ctacctcatc tctgaaaatt ctggaaggaa tggaggagtc tcaacatgtg 120
tttctgacac aagatccgtg gtttgtactc aaagccana atccccaagt gcctgctttt 180
gatgatgtct acagaaaatg ctggctgact gaacacattt gcccaattcc aggtgtgcnc 240
agaaaaccga naatatcnna aattcccaat ttttttctta ngancaagaa aaaaatgtng 300
ncctaaaagg ggttaattna aggggttagg gggttatgaaa gancttgatt tggatctctt 360
tttatttttaa tttnaatttc acttttgaca tccaanaaaa actttgttga aatacttctg 420

ttctcaatgt ttgganaaa aatcanc

448

<210> 550

<211> 502

<212> DNA

<213> Homo sapiens

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aggacttaac ccctatacct tctggcataa tgnaattnaa ctaggaaatg aactttgcaa 180
gggggagcca aagcttaaga ccccgnaaa ccagacggag cttacctta ggaacagctt 240
aaaagaggca caccgctctt atgtaggcaa aatagtgggg aagggttttt aggttngagg 300
cggaccaaac cttaccgngg cctggtngnt agcttggttg tnccaggtta ggatctttta 360
gtttccaact ttaaattttg ncccacagga acccttttaa atccccttgt tnaattttaa 420
ccgtttngtc ccagggggg accagttttt tggccattgg ggnaaacctt tttggggggg 480
gttaaaaatt ttnccccct gg 502

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cattaaaaca ggatatgaat actccaatcc tttttaanat tatnacngtt ttcaaaatt 119

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<400> 552
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aaccaagcat aatatagcaa ggactaacc ctataccttc tgcataatga attaactaga 120
aataactttg caaggagagc caaagctaag acccccgaaa ccagacgagc tacctaagaa 180
acagctaaaa gagcacacc gtctatgtng caaaatagtg ggaagattta taggttgagg 240
cgacaaaacct accgagcctg gtgatagctg gttgtccaag ataaatctta gttcaacttt 300
aatttgccca cagaacctct aatccccttg ttaatttact gtttgtccaa agaagancac 360
tctttggacn ctnggaaanc cttgtaaana aattaa 396

<210> 553
<211> 253
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<213> Homo sapiens

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<400> 553

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acaaaaaaga aaaggaacaa agccaagaaa ggacanagan gaaatgcttt gggaccagtc 120
tattcttgga ttttgaactt tcaaattggt tctcccaagt taaattgaaa aatagtgaga 180
cttggtttta tgaatcgtgt tcntacactt tcttantnat nggtcctttt ctcctaccaa 240
ggctattaac aat 253
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<210> 554

<211> 431

<212> DNA

<213> Homo sapiens

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<222> (430)

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<400> 554

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gtataggcga tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
cctaagaaca gctaaaagag cacaccctgc tatgttngca aaatagtggg aaaaatttat 300
aggttngaag cgacaaacct acgagcctgg tgatactggg tgttcccaga atanaatctt 360
agtttcactt ttaattttgg ccncagaacc ccctnaatnc ccttggttaa tttactnttt 420
agttccaaan a 431
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<210> 555

<211> 489

<212> DNA

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<220>
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actctgnagt cctaattntt ctagttggac caaaaaaat ccnnattgtt tgatctaang 180
agangnaatt taccaatnct gtatacgcat gtgtgtgtgt cgcttaaacg anctgtccgg 240
ttatanaaaa tcctgatcgt cataaatcat gtctanacat catgtaatga attgcacgat 300
ttaatatgt ccctattagc antcactaca anctatttct caaatntacn tatttctccg 360
taaacaanca ttcagtactc cntcggatct ctaaaaatcc tctatgatct ntncacatca 420
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aaagcnanc 489

<210> 556
<211> 77
<212> DNA
<213> Homo sapiens

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actgantgct gctanct 77

<210> 557

<211> 506

<212> DNA

<213> Homo sapiens

<220>

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<222> (270)

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<222> (286)

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taaccaagca taatatagca aggactaacc cctatacctt ctgcataatg aattaactag 180
aaataacttt gcaaggagag ccaaagctaa gacccccgaa nccagacnag ctaccttaga 240
acagcttaaa gagcacacccc gtctatgttn caaaatagtg ggaaanattt atnngttgaa 300
gcgacaaacc taccgacctg gtgatactgg ttntccaana tanatcttan ttcactttaa 360
tttgccacng aacctcttaa tcccttgtaa atttactgtt antccaaaaa agacactctt 420
tggacctagg aaaaaacctt tttaaaaaat taaaaattta caccntttt nggctaaaaan 480
cngcccccac tttaaaaaag nttcaa 506

<210> 558

<211> 298

<212> DNA

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cacanaagaa agtcaaggct ggaatttcat tctettatct aaatctctct gttctctctc 120
aggggaatatt ttcagagaat aggtggaatn aagtgaggct gtgganaatg ttatctataa 180
taggatatagac tttcttctgt gcacctgatg ggagggtaat gtctaataatg ttatcagtaa 240
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ctgcttttct gagtggtgat ggggggtacc atcttgatcc actgttgctc ttagaangcc 180
canaanntct ttgggcattg ncaaggaaat cccggattat ctggaaaacc ctcnctttct 240
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taaggcnagc tcagggagga cagaaacctc ccgtggagca naagggcaaa agctcgcttg 180
atcttgattt tcagtacgaa tacaagaccg tgaaagcggg gcctcacgat ccttctgacc 240
ttttgggttt taagcaggag gtgtnagaaa agttaccaca gggataactg gcttgtggng 300
gccaagcgta natagcgacg tcctttttga tccttcgatg ncggctcttn ctatcattgn 360
gaagcataat t 371
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taccacnact ctgatcggtt ttctactgac ccggtgaggc gggggggcga gccccgaggg 120
gctctcgctt ctggcgccaa gcgcccggcc gcgcgccggc cgggcgcgac ccgctccggg 180
gacagngcca ggnggggagn nngac 205

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ttgcattgcc natcttaatg gcagcttatg caatggcgga agcgtttatg tcaacaggag 180
ttggagcttc tcttatccta attgcattaa aagtaggaat tactgctaaa actgttgcag 240
ttataggagc tattgtcaca tcaatattat caatagcaac tgggacaagt tggggaacat 300
ttgcagcctg tgcacctatt tttttatggc taaatcata agttggcgga aatattttat 360
ttgacaacaa gcagctattg cangangagc atgttttgga agataatata ggactatttc 420
agatactaca atagtaaagt ctggtatnca aaaaagtttg aaagttgtaa gaaagaattn 480
gacacccaag gtggtatggg caagcattag ntttnataat tcaaggaatt aataggcatt 540
tncttaatgg gtgggattta ncaatgggna ttttaaccctt 580

<210> 563
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ccccgcaggn cntcacgttc gggcttctga ttgccgcggc gaengcgact ttngccgcag 180
ctcaggaaga atggagna 198

<210> 564
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tggcctgctn ccttctaagt attcttaaag ccatggattt ttgnggacca ttttcttctg 120
ntcttccttg agntatttnc tttntttgct atcttgggac tcttctttgt gcttga 176

<210> 565
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aataatttaa caagctcagc tctgctttat ctgagtttag tggctcctaat atatattgtag 120
agaaagatgg tgggggtgnt cacctctgta cagaccatct gtatgttagg tgacattgat 180
tatgggttat aatcaggga actaattgga tttagtgaaca aaaataaaaa gttttttttt 240
tatganaaaa aannnanggg ggac 264

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cgctccatgt tcatgctcag atggcagaga atgaanaaga nggtagtggn ggcggaggca 120
gtgaagagga tccccctgc anacaccaa gctgtgaaca gaaagactgc ctggccanca 180
aaccttgga catcagcctg gccancctg aaagcatccg cagtgccta gagagttctt 240
gatgcacagt ctgacgatgt gccagacatc accttcagaa tgaaatgtgg nttcnccgc 300
tcccatactg cagcctgccc ctgcacccc agagnccaag gtgcaccgag cccaagtgcc 360
catatgaacc tctctgccct anccnangga canactgtct tgaagccaga a 411

<210> 567
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<212> DNA
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
nggggggcct tttnaaaaaa nnaaantt 208

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tttcagatca tctcattcct caggctttgg caggtatcct gccctccatc ttattccagt 180
gtgttcacct natcaaggca gcanagtggg tgaaggagta agtctgccct ttgccatact 240
gaacagctgt ggaccccgat tgggtgagggc tctgcatatg cctgtatgaa ngagatacan 300
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gagagaaagt ccagtgggga gtgtttgttc cagagatgt ccctgaatcc ttcacctcag 180
aagcttacca gtggctaaat agatcccagt ttacttcct aacaaaatca cagagtttat 240
tgacattcag tacaaagtct ccagaagaaa aactcacacc aacanagcaa acagctgcta 300
gcagaagaaa gtcttccac aacccattt tatttcatat tgggaaaaca caggcaacag 360
caggatgaaa aactaaacga aactttagag aatgagctgg tacaactacc cttaacagaa 420
aacatacccg caattagtga gcttcttcac actccacca tgctctgcca tctgtgctt 480
tcctgtntct catgtttgna aattcattgc tgctgtctaa aggagactaa gaagtgctaa 540
ngaaattcct gaaaaatgta gatatgggaa gaagnaaaac ggaaagtnaa natt 594

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tttgagctat tgtacacaaa agctaataat tttgtgtact ttttatttat tttggagggt 120
ttatatgata ttcaattgag tattaaataa ttgcctaga ttaagcctaa aatgatgacc 180
agctaattaa agaagatatt ttgaatctgg ttctgagcta aagttgagta aattcttagc 240
taagaaaaaa ttggaaatcc atcatctata ttanacaacag attctnanan taaattggta 300
acttntatga                                     310
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<210> 571

<211> 109

<212> DNA

<213> Homo sapiens

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<400> 571

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109

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<212> DNA

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cagggtatcc cttctccctc cctgtgcagc cttccttcct tctttgaaag gagaagtcac 120
acgttaagta gatctacaac tcatttgata tgaagcgta ccaaaatcct aaattataga 180
aatgtataga cacctcatatc tcaaataaga aactgactta aatggactct gtaattagca 240
cttggtgaaa gctggaagga agataaataa cactaaacta tgctatttga ttttncttct 300
tgaaagagta aggtttacct gntacatttt caagttaatt catgtaaaaa atgatatgta 360
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429

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<212> DNA
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<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<400> 573
gggctggggc tgaccgagga ggtggagggc ggnagaggct ggggntgata aatctattga 60
ttgattgtga tagtaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anaaaaanaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaana aatntaatat gc 202

<210> 574
<211> 229
<212> DNA
<213> Homo sapiens

<220>
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<222> (30)
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<220>
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<222> (53)
<223> n equals a,t,g, or c

<220>
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<222> (72)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (163)
<223> n equals a,t,g, or c

<220>
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<222> (172)
<223> n equals a,t,g, or c

<220>
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<222> (191)
<223> n equals a,t,g, or c

<220>
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<222> (220)
<223> n equals a,t,g, or c

<400> 574
gcccacgcgt ccgtctagat cgcgagcggn cgcccttttt tttttttttt canaagagct 60
acattgtgtc antggacatt tttaaaaact gtgattttta ataatgtcca atgactgcaa 120
gtcggccttg attttcactt gcaaaggnta cagctgcatt gtnaggctct cnagccctgc 180
agagagctcc ntccactggt tagcagtgtg ttgtgttttn cattcattt 229

<210> 575
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<400> 575
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gttcttggtg ctgatgttgg tgaagggtgtg cgcggggatc agtaaaagct taaagaaggt 120
tttcacaggt cactgggctg tggtagagaga aggcctcacg aacccttgga ttccggataa 180
ctggtcttgg ggcggngtgg cttctgaaca ctgcnantgc taccgagttc tacactgaaa 240
aggactggan caagaangac 260

<210> 576
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
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<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<400> 576

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cagcagatag cagtgtacag aaagcaaaaa aggaactgta tgtgaggcac ttgtttctgt 120
taatatccat attcctgtta acacacaccc tttctcatgt aaaaagaaaa ataaataaat 180
ggtctgaact ttgaaaactt tgtgctgnta ancatagatt ttggagacaa atnaatagat 240
gctatgctgt ntcantttca tag 263
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<210> 577

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

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<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<400> 577

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gaggaaacac tgtctatgat aggatttcca aaagtatttg tggacagtta aatgctaatt 60
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aatatacatc tgtagttatt ctacattttc ttgaaatttg ggaggttaat accaagtatt 120
catttcatga tgtaaagaaa ctgaacagtg aagtggcttg attgcttaaa ctattgactt 180
ggtaagtcta ctgtatataa catctaatat atatattaca ggccaaatga actaaacatt 240
gccttgctat attcaccaaaa aggacttaat tcttgTTTTT tTcccagttt tatatanagg 300
aaacactatg ataggatttc ctaaagtatt tgtggacagt taaatgctaa ttatatacat 360
ntggnnn 366

<210> 578

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

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<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

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<220>

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<222> (419)

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<222> (565)
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<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 578
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aaggaccagg gaggtgagta ctgagggcca gggaagagga gtaggggtgt ctcaggggtga 120
tctctggccc accgccttgg ccccttctcc caggtctnac ccaggcacag tacattgact 180
gcttccagaa gatcaagtac agcttcaacc tncgtgtagg tggtcccca caagttcacc 240
aggcctctcc tcttcccctt cctccccagt aatcctctgc tgtctggact caaccatccc 300
aagccttttt ctcttctatc tactccccct agaacctccc ctccctctt gggacttttg 360
ggaagtgccca gccttncagc caaggcataa aacaattatg gtgacctggt gaanatggng 420
tggtgtgaag ggtggtgaca ggcattgctc tttgtcccca agggaaaggc tggcccacct 480
ggnttgaagg agacaagtgc cccctgagct cgtacacatt cctctttaag tcccttgaac 540
tttcgtgaag ttaagggacg acannggtgn tnaaanacgg acaggcttga agtca 595

<210> 579
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

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<220>

<221> misc feature

<222> (77)

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<220>

<221> misc feature

<222> (79)

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<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<400> 579

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attnttcagg gttggnana tgaactaata ctggtgaaaa ttacctaana acctnggta 120
tcaaaaacat ct 132

<210> 580

<211> 558

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

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<222> (9)

<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<220>
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<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (428)
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<222> (529)
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<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<400> 580
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actagtggat ccaaagaatt cggcacgagg ccgcgttgac cactggcgctc tcgctggtgg 120
tcttcgagac cggcgttggg tgaaaatcgc ccccggtttt ggccgtggcc gcgggtgaga 180
ttcggcgccc agagcccccg ggggcctcag ctcaccgcgc gctgccccat gtgcgncggt 240
gaaaccaggg ccccgacagg cgctgccgnc ttcccccccg ggtgcggttc gttcgcgagg 300
tgttggcccc tgattccttg accccgattg cagaccctta accttgttct ttnttccgca 360
gacaatggtg cttncaccacg gctgtacaac cgacggtcgg ccaaggaccn nggggttttg 420
gggggaantt tggtttttcc caaggttttt caaattaaag ttgtttttgt tttaaaaaaa 480
aaaaaaaaaa aaaaattggg ggggtanttt ttgggggggg cccgggggnc ccatgggttt 540
ttncaanccg ggnnggggt 558

<210> 581
<211> 120
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 581
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tncnttggn ctaattcgca ctttcctcac gaggaaatna aantaggga aaaaccaaac 120

<210> 582
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<400> 582
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actgtctgta ttattattca cctataatta gtcattatga atgctttaaa gctgtacttg 120
catttcaaag cttattaaga tataaatgga gattttaaag tagaaataaa tatgtattcc 180
atgtttttaa aaaaaaaaaa aaaaaaaaaa nccccggggg gggccccggt cccatttgn 240
cccantgggg ggccgtttnn 260

<210> 583
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 583
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cctgcggggc gccggtgaaa taccactact ctgatcggtt ttccactgac ccggtgaggc 120
ggggggggcga gccccgaggg gctctcgctt ctggcgccaa gngcccggcc gcgcgcccgc 180
cgggcgcgac ccgctccggg gacagtgcc a ggtggggagt ttgactgggg cggtagacct 240
gtcaaacggt aacgcaggtg tcctaaggcg agctcaggga ggacagaaac ctcccgtgga 300
gcagaagggc aaaagctcgc ttgatcttga ttttcagtac gaatacagac cgtgaaagcg 360
gggcctcacg atccttctga ccttttgggt tttaagcagg aggtgtcaga aaagttacca 420
canggataac tggcttgtgg cggccaaacg ttatagcgan gtcgctttt 469

<210> 584
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<400> 584
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gaaccgcagt tcagacattt ggtgtatgtg cttggctgag gagccaatgg ggcgaactac 120
catctgtggg attatgactg aacgcctcta agtcagaatc ccgcccaggc ggaacgatac 180
ggcagcgccg cggagcctcg gttggcctcg gatagccggt cccccgcctg tccccgcccg 240
cgggcccgcc ccncctccac gcgcncgcg cgcgcgaggag ggcgcggtgcc ccgcccgcgcg 300
ccgggaccgg ggtccggtgc ggagtgccct tcgtcctggg aaacggggcg cggccggaaa 360
g 361

<210> 585
<211> 482
<212> DNA
<213> Homo sapiens

<220>
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<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
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<220>
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<222> (165)
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<220>
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<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
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<220>
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<222> (203)
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<220>
<221> misc feature

<222> (207)
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<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
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<220>
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<220>
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<222> (319)
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<220>
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<222> (363)
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<220>
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<222> (370)
<223> n equals a,t,g, or c

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<220>
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<222> (426)
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<220>
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<400> 585

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gcgacctcgg agcagaaccc aacctccgag cagtacatgc taagacttca ccagtcaaag 120
cgaactacta tactcaattg atccaatnac ttgaccaacg gaacnagtna ccctanggat 180
aacagcgcaa tcctattcta tantccntat caacaatagg gttnacgacc tcgatnttgg 240
atcaggacat cccgatgggtg cagccgctat aaaangttcg tttggtcaac cattaaagtc 300
ctacgtgatc tgaattcana ccggagtaat ccaggtcggt ttctatctac ttcaaattcc 360
tcnctgtacn acaggacatn aagatataag gcctacttct caaancgcct tcccccgtaa 420
atgatntcat ctcaacttaa ntatnatacn cacaccctcc caataaaagg gtctgttgagg 480
tt                                                                 482
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<210> 586

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

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<222> (15)

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<222> (19)

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<220>

<221> misc feature

<222> (79)

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<222> (447)

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<220>

<221> misc feature

<222> (458)

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<220>

<221> misc feature

<222> (463)

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<220>

<221> misc feature

<222> (480)

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<220>

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<222> (491)

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<400> 586

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cgcgtcgggt cctttccent tccccccccc cagcctcctt cccctcctcc cgcccacgcc 120
ccgctccccg cccccggagc ccgcgggacg ctacgccgag acgagtagga gggccgctgc 180
ggtgagcctt gaagcctagg gcgcggggccc gggtaggagcc gccgcagggtg cagatcttgg 240
tggtagtagc aaatattcaa acgagaactt tgaaggccga agtggagaag ggttccatgt 300
gaacagcagt tgaacatggg tcagtcgggtc ctgagagatg ggcgagcgcc gttccgaagg 360
gacggggcgat ggcctccggt gccctcggcc gatcgaaagg gagtcggggtt cagatccccg 420
aatccggagt ggcggagatg gcgcgcngag gcgtcagngc ggnaacgcga ccgatccccn 480
agaagcccgg ng 492
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<210> 587

<211> 248

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

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<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

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<222> (210)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<400> 587

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tatgnacaac acatttacag ttctgtaatg caaggatgca gtttaaaaat gtgaagtagt 120
gnanggtttt tgaaaataag ctttaaaata tagggatctt gaaaggcccc cgggggtact 180
atattataac ttagaataaa tgggnaatcn naactgtgtn tttggtaaat taatttttta 240
antatttt                                     248
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<210> 588

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
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<220>
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<222> (510)
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<220>
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (604)
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<220>
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<222> (626)

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<220>

<221> misc feature

<222> (653)

<223> n equals a,t,g, or c

<400> 588

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gaattcccg gtcgaccac gcgtccgcg acgcgtggg actgcttaga aatatactg 120
aagtgatcac cacagccata aaattgttta agaaagattt atataatgtt tacaaatctg 180
gaatcaagga ttttagctga aatccttta gagatattag agcaagtatt taattcaggt 240
attttcaagt tttaaaactt aacctgttta cctactaaaa ataaaatagc tagttttttt 300
ctgcatataa aagttcattg aaatgatatg cccttatttg caatactttt ccataaaagt 360
tttaagtgtg aaagaattgt aatttactag atatgtttgg tatgggatat tttgttaggc 420
aagttttctt ttttcttctt aaattgcaat aggcttccaa aaagagtata attgnttcag 480
aacaatttaa ctcttgcat tatacgtctn ccttttctt tacagtatta gtaaaatgaa 540
aaantggaca ctttctgatt taacttcaat aatgnaanta ctctctcaag gaagctttta 600
aaanttaaat taccatcaca caaccntttt atagtaaggc aacatttggt ttn 653
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<210> 589

<211> 625

<212> DNA

<213> Homo sapiens

<220>

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<222> (3)

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<220>

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<223> n equals a,t,g, or c

<220>
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<222> (618)
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<400> 589
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atacagaccg tgaaagcggg gcctcacgat ccttctgacc ttttgggttt taagcaggag 120
gtgtcagaaa agttaccaca gggataactg gcttgcggcg gccaaagcgtt catagcgacg 180
tcgctttttg atccttcgat gtcggctctt cctatcattg tgaagcagaa ttcaccaagc 240
gttggattgt tcacccacac gagccctgtg cttttgggtg aaataatgta caatttgtgg 300
atgtcattga atctagagga ctttccccctt tttatatattg tattaacttt aacttattaa 360
aaanaaaaaa agaanaagaa aaacaattta taaaaaanan aaaaagcaac caacccaac 420
aacaataaag aatggtttgg tattggagaa gggatggtca gttaagcctg ctggcacacg 480
acggaatgga tctgggcccg gggaccactt tcatactacg nnctnatctt tggataccca 540
gggaggggca accgtttcgn tnngggctgt acccagaagg tggaacggag tttggacaga 600
ctntccatta ggcgtggntc tttat 625

<210> 590
<211> 365
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
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<222> (264)
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<222> (300)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 590

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aagaacctct natecttgca tgccaggcac tctttcaatc acttcagtga ccatttttcc 120
aaaattctga aacatccaca cttagggttt tctttgaatt tgggggtgcc ctcccncac 180
ccggcagcct tctgtgtcag ggggntacgg tcttgatata gacaccattt ttgggaccta 240
ggggcagttt tgggattcta gctncagggg tacctgggtc ttaagggcaa ggtttgggan 300
ccggnacttt ttgcaaaacg tgggggcagt ttcaattttg nccctnaang aggccctaga 360
cgga                                     365
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<210> 591

<211> 65

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

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<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

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<222> (56)

<223> n equals a,t,g, or c

<220>

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<222> (57)

<223> n equals a,t,g, or c

<400> 591

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gccctatagt gagtcgtatt acaattcact ggccgtcggt ttacaacntc gtnannngga 60
aaacc                                     65
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<210> 592

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (127)

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<220>

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<222> (129)

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<222> (134)

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<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (152)

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<220>

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<222> (161)

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<220>
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<222> (198)
<223> n equals a,t,g, or c

<220>
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<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<400> 592
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gtacaccgca atcatgtcta taatgtccta taacgnaggg gccgtaatgg ccatgaaagg 120
ggnaagnanc tntntggncc atcgctgcag anaggcgctt ngggaatcca ggcccagaat 180
ggtgaaccac gggacttnca gaaagatctt tncccatggg ntgaaccggt tgtnaatggg 240
tttgggccgg gnttgncaat taaggtnca 269

<210> 593
<211> 307
<212> DNA
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<220>
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<223> n equals a,t,g, or c

<220>

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<222> (160)

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<221> misc feature

<222> (172)

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<220>

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<222> (267)

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<220>

<221> misc feature

<222> (268)

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<220>

<221> misc feature

<222> (278)

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<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<400> 593

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aaagaatgta atttttatct tctgaaatac agatttgagc tatcagacca acaaaccttc 120
cccttggaag agtgagcagc aacgtaaaaa cgtatgtgan agcctctctt gnaatttcta 180
gttagcaatc ttaaggctct ttaaggcttt ctccaatatt aaaaaatata accaaagaag 240
tcctgctatg ttaaaaacaa acaacannaa acaaacanca gnaaaaaatt taaaaaaaaa 300
ancggggg                                     307
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<210> 594

<211> 128

<212> DNA

<213> Homo sapiens

<220>

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<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<400> 594
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ttgctgatac cntatgaatg aaacatgggc tgnattact gcaatcactg tgcctatcgg 120
canntaat 128

<210> 595
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<222> (367)
<223> n equals a,t,g, or c

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<222> (391)
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<220>
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<222> (407)
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<221> misc feature
<222> (426)

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<220>

<221> misc feature

<222> (552)

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<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (591)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<400> 595

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aacacagttt agtgctttac atgctgtgct ctttgaagag atttcaacaa gaatattgta 120
tgttaaagca tcagagatgg taatctacag ctcacctctg aaggcaaata taagctggga 180
aaaaagtttt gatgaaattc ttgaagttca tggngatcag tgcaattgac cttntncctc 240
actcctgccca gntgaaaatg gattttttaa ttatactgna gctgatgaaa ctcttgattt 300
tgnagntaat ttattaagtc tgggatgnag aacttcaaga agtaagagct aagttctaag 360
ntcatgnttg gaaattaata cttnatattg ngctgggcta ttttganttt gggggggaat 420
cagcantatt cttcagaagg ggacctggtt tcttcaaggg aaagaaacac tcttattcca 480
aactacagaa taatggggta aacatgctaa ataggtctat aaggaaacca aatactggat 540
tatctcggag gntattggtn anaagggcct tgggtaaaaa taagggtaaa nanaaagg 598

<210> 596

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<400> 596
gaaaaaaaaat ncattgtaaa taacctcagc tgggatgagg agtgacagaa tatcaaaata 60
atgtgtggct gtggattttt ttaactgcta gtagtggaat actggaaaag cttcatttct 120
gaagatgaat tttattttta aaaaatacat gcacactcaa aacttttagc tttgatcaca 180
agtggaacaaa tttctgaaac caaaggcaac taagttgctg tgtagctct tgctggattt 240
tgagcctagg tcctactgtc tgccagtact catgtgagtt gtatgtgccc ccagtgtctac 300
atacgcaggt atgcgtaagt gtgtatgctt gttttaaaca aacactcaac gtacatatgt 360
acataatcta cacatattta taccacatat ctacttttat tactatagac tatacgaatt 420
ggnggtaaca tgaaatgnta ccttttacag actgttttta aaan 465

<210> 597
<211> 320
<212> DNA
<213> Homo sapiens

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<222> (45)
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<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
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<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

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<220>

<221> misc feature

<222> (147)

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<222> (159)

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<222> (175)

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<222> (187)

<223> n equals a,t,g, or c

<220>

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<222> (236)

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<222> (240)

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<222> (259)

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<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (319)

<223> n equals a,t,g, or c

<400> 597

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ccaaaaagga ccaactggct tctgtgcact agcctgtnaa ttannttgct tagtatgggt 120
ctnagatctt gnacagtata tttaaantctg taaatatgnt tgtgccttaa aaggngagaa 180
gaaagtntag atagttaaaa gactgcagct gctggaagtt ctgagccggg caagtngtgn 240
ggggctgttg ggacacttnc ttgtggggcc cggggtaatc agggcagcct ttcatagggc 300
gggggtccatg tgntggcant                                     320
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<210> 598

<211> 688

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (582)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (604)

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<220>

<221> misc feature

<222> (637)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (642)

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<220>

<221> misc feature

<222> (650)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (673)

<223> n equals a,t,g, or c

<400> 598

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gtataggcga tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
cctaagaaca gctaaaagag cacacccgtc tatgtagcaa aatagtggga agatttatag 300
gtagaggcga caaacctacc gagcctggtg atagctggtt gtncaagata gaatcttagt 360
tcaactttaa atttgcccac agaaccctct aaatcccctt gtaaatttaa ctgttagtcc 420
aaagagggaac agctctttgg aactagga aaaccccttg tagagagagt naaaaattta 480
acaccccata gtaggcctaa aagcagncac caattaaaga aagcgttcaa gcttcaacac 540
ccacttccta aaaaattcca aacatataac tggaacttcc tnanacccaa ttgggaccaa 600
ttntcaccac ctattagaaa gaaactaatg gttagtntta angtaaccan tgaaaaacat 660
tttccttcc ggnattaaag ccctggcg                                     688
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<210> 599

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (613)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (657)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (707)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (727)

<223> n equals a,t,g, or c

<400> 599

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tagaaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga aaaattataa 120
ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat taactagaaa 180
taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta cctaagaaca 240
gctaaaagag cacaccgctc tatgtagcaa aatagtggga agatttatag gtagaggcga 300
caaacctacc gagcctggtg atagctggtt gtccaagata gaatcttagt tcaactttaa 360
atttgcccac agaaccctct aaatcccctt gtaaatttaa ctgttagtcc aaagaggaac 420
agctccttgg acactaggaa aaaaccttgt agagagagta aaaaatttaa caccatagtc 480
aggcctaaaa gcagccacca attaagaaag cgttcaagct caacacccac tacctaaaaa 540
atnccaaaca tataactgac tccttacacc caaattggac ccaatctatc acccctatag 600
aaagaactaa tgntagtatt aagtaaccat gaaaaacat tcttcctccg gattaanccc 660
tgcgtcagga ttaaaacccc tgaactggcc atttaacagg cccaatntct taccattcaa 720
cccaccnagg tcattattac ccttactt                                     748
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<210> 600

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (80)

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<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (193)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<400> 600
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ccccgggaaa aaccgcttgn atgcncctaaa nctngtggaa ctttgcccca gcagtgatgc 120
ctgccaggaa agggttgaac cgcgaaacctt gacgaagggg gggcccggtt acccaattgc 180
ggccctatag tgnagtngtg attnacaatt gcaactgggcc gtcggttttg acaagttcgt 240
gatgtttggn nat 253

<210> 601
<211> 524
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
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<220>
<221> misc feature
<222> (480)
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<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<400> 601
ggcacgagcg gaagatcccc acatcgatga aagcaaagcg nagcaccaag ccatcatcat 60
gtccacgtcg ctacgagtca gcccatccat ccatggctac cacttcgaca cagcctctcg 120
taagaaagcc gtgggcaaca tctttgaaaa cacagaccaa gaatcactag aaaggctctt 180
cagaaactct ggagacaaga aagcagagga gagagccaag atcatttttg ccatagatca 240
agatgtggag gagaaaacgc gtgccctgat ggccttgaan gaagaggaca aaagacaagc 300
ttttccattt ctgaaactgc ggaanttttc cttcaaanntt cattgaagag aagagggttg 360
ttaaggacgt tttccaggat tggacattca aagaccagtg ggtttttggg nttttacagt 420
tgcagctttg tttttacctt acagtttttt tttttcaggt tccagggttg aagggcccg 480
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gccgcgcggg cgggctgagt gagcaagaca agacactcaa gaagagcgag ctgcgccttg 120
gtcccggcca ggcttgacag cagaggcggg cggcagacgg tgcccggcgg aatctcctga 180
gtcccgcgc ccagctctgg tgccagcgcc cagtggccgc cgcttcgaaa gtgactggtg 240
cctcgcgcgc tcctcttcgg tgcgggacca tgaagtgtcg ccgtcgggtg tgctgaaact 300
ctttctggnt tcattctctt cggcactggt tactggcgaa aancctgga acggctttcg 360
ganaaggcta actgctggna acaagnaac cggaacc 397

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agtntcccct cctaag 76

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ggagccntag tccgctgcac ggagactgtg gtgtnggnct tgacgaggtg ggtcagtgaa 120
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<210> 605

<211> 138

<212> DNA

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ggttgcanaga attcggcacg agagggancc gtgggccggg cgcgccggtt cccggcacnt 120
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<210> 606

<211> 102

<212> DNA

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<212> DNA

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naaaccaaatt tngccccnaa 80

<210> 608
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<222> (377)

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<222> (386)

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<220>

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<222> (394)

<223> n equals a,t,g, or c

<400> 608

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ggactcgggg cgctggaggg aagtttcgtt cttcggagaa acagaacgcg ctcgaggggg 120
caccgtgggg cnaaggnnnc actcggttgc ggcggcagga gtgagggaca gtccccgat 180
ttcctgctcc ctggggccct ggggacgttc cggccaccgg agcgactgtc acgccgacgg 240
ggatcaccgg cgcgagttgg ggggtcggaa agcgcctcct cccgccggtc gcggtccgct 300
aaccacttct cgcttgccctg ttccgctcct taagagcaac tgttgccctt ttgaagcagn 360
ataagtgtgc tgnngctngaa gcttanccgg ttgnttgt 398
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<210> 609

<211> 275

<212> DNA

<213> Homo sapiens

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<220>

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<222> (261)

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<220>
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<220>
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<222> (266)
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<220>
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taataggtaa tgcaggatat ttcagggttaa gccacaatg ttttgcattt ttatgcttat 120
tttctgtcaa cactaatgaa gtcaacattg cctgaatgtc tgaataatga aacacatccc 180
tgtttaaaag tatgtaactg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa 240
aaaaaaaaaa aaaaaaaaaa nccccncggg gggnc 275

<210> 610
<211> 433
<212> DNA
<213> Homo sapiens

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<220>
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<220>

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<222> (429)

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tctcctcagc cgagaatgac ttcgtccacc ggatccagga ggtggaagag gatggcccca 120
gcagctgctc ggaggacgat tacagtgagc tgctgcagga gatcacagac aacctgacga 180
ggaaggagat tcagatagag aagatccatt tggacacgtc ctccttcatg gaggagctgc 240
ctggagagaa ggaccttgcc cacgtggtag agatcttatg actttggaac cagcgttcaa 300
gacggaggac ctgcttggca acgttttnt gagtttcaa gaggaagggg tttcaagntt 360
caattgggtt ggatgataat tcaaggaatt nggcantttt tccctgcccc ggccttaatt 420
tncggaagnc ctg 433
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<210> 611

<211> 497

<212> DNA

<213> Homo sapiens

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<222> (405)

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<222> (422)

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<222> (459)

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<222> (481)

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<222> (487)

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tgctggagca gccggagtc tccctggtgt tggaggggct ggtgttcctg gcgtgcctgg 120
ggcaattcct ggaaaaccac cccacactgg gaatagccac cttgcccttg tagaatccat 180
ccgcccattcc gtccattcat ccatcggtcc gtccatccat gtccccagtt gaccgcccgg 240
caccactagc tggtcggtg caccacccat caacctggtt gacctgtcat ggccgcctgt 300
gccctgcctc caaccccatc ctactctccc ccaaggcgtn cggggctgtg cagactgggg 360
tgccaagcat cttctcccca accggggtgt tcccacatgc agtantgtat aacccccatt 420
cnttcctcgg tccaatgaac ttcagagcag ttccattcnt gcccggccat cttttgtgtc 480
ngctgtnaaa ataaata 497

<210> 612

<211> 503

<212> DNA

<213> Homo sapiens

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<222> (28)

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<222> (33)

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gatnttttnt naaaatctct gtatgaaatn atctcggggg agatagattc nccatntttc 120
ccctgaagnt ttaggggcct ntgcctgccca ctccanaccc tntttntgaa gggcccaagt 180

nactcactat gnaaagaagt cattccctct ngttagtgtt aaanccagtt atgggtcttc 240
ctggaatggn ggataatcca cacgnggnta aatccaaggg ttgnttnatn tgggttcctc 300
cctcccctcc ccttccacca gggnttccct gacagnggcc acagggngac ttttnagggg 360
ttttagggtca ttgnggggat gggtnccngg aaatgggncc agatctgnat tgggggcccc 420
ccntggttgt cccatggggt tnttagnggn ttttaggggn tngtgggggt aaaggggttt 480
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<210> 613

<211> 197

<212> DNA

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caagtggggt ggccttctgt cacagagctn caggtgacct ctggagagac atgggcattn 120
acatggaaag ctaaaacgga agcttaagct tntattactc aacanaaact tctgtgagac 180
naaangacaa gccatgt 197

<210> 614
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<400> 614

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cctgaaaatg aacatagtat gctagttatt tttcagtgtt agccttttac ttccctcaca 180
caatttgga tcatataata taggtacttt gtccctgatt aaataatgtg acggatagaa 240
tgcatacaag gtttattatg aaaagagtgg aaaagtatat agcttttagcc aaagggtgtg 300
cccacnaag aaatgagcga tatatagaat agtgtgggca ttctcctgta agtggagtga 360
aggggtgaca ttctccccac tctnccan cn gggtcncccc atattgaata aaggacgcn 420
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<210> 615

<211> 272

<212> DNA

<213> Homo sapiens

<220>

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cggntccggg aattcccggg gtcgaccac gcgntccgga ataattggaat ataatatgtc 120
ttcataatat aacaacacta ntncnctaat ngtaagatta anttaggcag tcttctacca 180
aatgtggtaa tgnngattgc ctcaaaattg tggtcacat aatccacnct catcttgcaa 240
agcgtattt cangcacatc attggantac ag 272

<210> 616
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<212> DNA
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<220>
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<222> (83)
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<220>
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<222> (110)
<223> n equals a,t,g, or c

<220>
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<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 616
ggatagggtcc catattaaga ggctgttgt ctatganatt gtctagnatt ctngtgcagg 60
tctttgctgg ttaantcagg acnaacgagg aggcacgtca gtccaccccn ctctctcccc 120
attttccgtg ttgntccctt gcttaacngg caaagacctg 160

<210> 617
<211> 205
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
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<222> (30)
<223> n equals a,t,g, or c

<220>
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<222> (180)
<223> n equals a,t,g, or c

<220>
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<222> (188)
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<220>
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<222> (189)
<223> n equals a,t,g, or c

<220>
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<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<400> 617
ggactntgta catttgggag tttttatgan aaacttaa at gttattatct gggcttatat 60
ctggcctctg ctttctcctt taattgtaaa gtagaagcta taaagcagta tttttcttga 120
caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagga aaaaaaaaaa aaaaaaaaaa 180
ggggggggnnn ccngaaaaa aaaac 205

<210> 618
<211> 450
<212> DNA
<213> Homo sapiens

<220>
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<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
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<222> (445)
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<400> 618
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ttagcggcca tcgcccagct cgtcttcctt ctaccagacg ctggtgctgg aaaagagaag 120
tgtaagaata acttgcgcca ttagggccat cggaaaggcc caccaccctt taggaagatt 180
actggctggt tatagaaggc ccgtgtatat cctatgaaga angctggctc tcaacttccc 240
ccccagcctt ttaaaagaaa acatttgcta catcgagccg ttctagggtg aaagagggtg 300
ttgacttatg atagagttag aaaatcacac atccttgtaa attnccatt tggtttaaaa 360
aaaaaaaaaa aaaactcgag gggggggccc gggtagccaa tttgncccta aaaggagnc 420
ggnattanaa ttcactggcc ggcgntttta 450

<210> 619
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
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<222> (279)
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<220>
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<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<400> 619
tacctttggt ggtcctttct tccttaagt ccaagtgcct agctaaagga ggataacttt 60
ttggggaagt catgctgagg gtggtagtgt gaccctgcct gaaaaaaggg tctcttacct 120
tnccagccct ggctcaactc tgaagaagga tcttgctaca gaaggagccc ttgggctccc 180
ttntcttttg gatagcagtt ataatgccc ttgttcccaa taaaactggg cagatgggaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaacccc ggggggggnc ccngncccn tttg 294

<210> 620
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
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<220>
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<222> (99)
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<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 620
ggcagagcnn cagccgcagg cccgncgccc gctgctggcg ccgtggcctc ctatgactac 60
ctgggtgatcg ggggcggctc gggcgggctn gccancgtng tggagagcca caagctnggt 120
ggcantt 127

<210> 621
<211> 115
<212> DNA
<213> Homo sapiens

<220>
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<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<400> 621
ggcacgaggc tcagtacagc tcagctnagc ccagcccagt ccaaccacgc ccagcccagt 60
ccaaccacgc ccagctcagc tcagcncagc ccagctcagc tcagctcagc nnagn 115

<210> 622
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (300)
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<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

<400> 622

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gaaattaaaa aaacactttt taaagggtgc attgataaaa tctgagggtt tttggttgtc 60
gtttttttct gtgtacattt ttttcctaag tttatggcac agggtagacc ttaagtattc 120
ctctccatc cttcattctt caccctccat tggatcctca agttttaatg aattccaatt 180
ataccttaca tcagcaagtt aaaaaaagta ctttaaaata aagcaaaggg agactggtgc 240
tcaaccatca ggaaacagtt gtcagaagac atcattgggt ctgtgtttcc tacggaaatn 300
agaaacgata aatattgcac tgaatgtttg tggtttggag tccctgaata ataaagangc 360
aatatatttg cagaaagtcn catagggttt tttaatgcag aattttgtca gaagacaatg 420
gcgctgcacg tttttctttg aattgcaaat nttcattgct aaagantttt ttttaagatgg 480
gcatnttgct ttgaaaaaga aanatt 507
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<210> 623

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<400> 623

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aattcggcag aggtcattaa aaaactagag aattagccat attaaggatt tttcttgact 60
gcaaattact tctaaagaat catcagtgtg tagattagaa gtgctcatta cctgcaactt 120
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```
ttaaaaaaaa ttcagttata gctgcttttg aagaggtttc catttttatt taaattacta 180
atggatcaaa gaacaattgt ttattttttc tctttggttt tagatattaa tgataacctt 240
gttggaatt ttttttccaa agaaaatatt tttatgaatt gaaatnaatn ttgaatgttt 300
tncttcnnt tcatttacct actcttgga gtgtagggn 340
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<210> 624

<211> 223

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (202)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (204)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<400> 624

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ggcagagct aagttcgga tcaatatggt gacctccgg gagcgggga ccaccaggtt 60
gcctggcctg ataatgtcct ttttaaatgg agttcagact attaacattt aatgtaatta 120
tcaatatagt tggatttaag tgtactgtct tgctatttgt ttcctattta tgccaacttt 180
tttttaagt cttttgttct tntngtttc tntctttcc tnn 223
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<210> 625

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (265)

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<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

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<220>
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<222> (491)
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<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<400> 625

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aatgtaacat gacaagagat tttgcgtttg acattgtgtc tgggaaggaa gggccagacc 120
ttggaacctt tggaacctgc tgtcaacagg tcttacaggg ctgcttgaac cctcataggc 180
ctaggctttg gtctaaaagg aacattttaa aagttgccct gtaaagttat ttggtgttca 240
tttgaccaat tgcaccccca gcttnaaaag caagaagcat ccgtttccct ggaattataa 300
agaatttgtt tcccaccctt aaaattttta cagtttnaaa aacttgggtt tccattgaa 360
cattcctcct tttttcccca gtttcccca aattcctntt ttttattttt ttggggaaat 420
aagggttgcc ccatttttta ancctacact acttnggaa atgcccnc cctggaatga 480
anggaaaggt ncccnattac gnccttnagg ttaattacag ttccctcccc tccccctgc 540
c 541

<210> 626

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

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<220>

<221> misc feature

<222> (385)

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<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<400> 626
aaccactcc accttactac cagacaacct tagccaaacc atttacccaa ataaagtata 60
ggcgatagaa attgaaacct ggcgcaatag atatagtacc gcaagggaaa gatgaaaaat 120
tataaccaag cataacatag caaggactaa cccctatacc ttctgcataa tgaattaact 180
agaaataact ttgcaaggag agccaaagct aagaccccg aaaccagacg nagctacctg 240
agaacagcta aaagagcaca cccgtctatg ttagcaaaat aatgggaaga tttatagggt 300
tgaagcgaca aacctaccga cctgggtgat actggttgtc cnanataaat cttanttcac 360
tttaaatttg nccacagaac ctctnaatcc cttgttaatt taatgttatc caaaaaagaa 420
cagctcttgg gacctaagaa aaaacttggt naaaaattaa aatttacacc atgtagctnn 480
nac 483

<210> 627
<211> 221
<212> DNA
<213> Homo sapiens

<220>
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<222> (109)
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<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<400> 627
actctagcct aggatatttgc aaaaagctat ttacgtaaca ctatagaagg tacgcctgca 60
gggtaccggtc cggaattccc gggtcgaccc acgcgtccgg tcttggggnc cacganccag 120
actcaggaca gagtggactc tgcctgtgat ggggtggnc ncctgctggc cccctccac 180
cagtgcctnt ngcatatata tatttggtgt gcacaggaag n 221

<210> 628
<211> 122
<212> DNA
<213> Homo sapiens

<220>
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<222> (30)
<223> n equals a,t,g, or c

<220>
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<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 628
aaggctgaaa aacgcaagag gatattggtg gatatcgagc tatgaggaaa gatcnaanag 60
catgaaggan nagggaagga agatgagcta agatgaagat gaagaaagaa agatgatgat 120
ga 122

<210> 629
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
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<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
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<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<400> 629
ctactnatgg angtgtngtt gccatggtaa tcctgctcan tacgacatga accgcaggtn 60
cagacatttg gtgtatgtgc ttggctgagg agccaatggg gcgaagctac catctgtggg 120
attatgactg aacgcctctn agtcagaatc ccgccaggc ggaacgatnc ggcnncgccg 180
cngatcctcg gttggcctct gatatccggg ccccccgcctg tccccgccgg cggggcggga 240
ccnggggtccc gt 252

<210> 630
<211> 619
<212> DNA
<213> Homo sapiens

<220>
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<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

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<222> (19)
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<222> (22)
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<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
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<222> (104)
<223> n equals a,t,g, or c

<220>
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<222> (251)
<223> n equals a,t,g, or c

<220>
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<222> (484)
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<220>
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<222> (528)
<223> n equals a,t,g, or c

<220>
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<222> (558)
<223> n equals a,t,g, or c

<220>
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<222> (581)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (605)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
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cacnatcaaa agggacaagc atcaancacg cannaatgca gctnaaaacg cttagcctag 120
ccacaccccc acgggaaaca gcagtgatta acctttagca ataaacgaaa gtttaactaa 180
gctatactaa ccccagggtt ggtcaatttc gtgccagcca ccgcgggtcac acgattaacc 240
caagtcataa naagccggcg taaagagtgt tttagatcac cccctcccca ataaagctaa 300
aactcacctg agttgtaaaa aactccagtt gacacaaaat agactacgaa agtggcttta 360
acatatctga acacacaata gctaagaccc aaactgggat tagatacccc actatgctta 420
gccctaaacc tcaacagtta aatcaacaaa actgctcgcc acaacactac gagccacagc 480
ttanaactca aaggaactgg cggtgcttca tatccctcta aaaagaanct gttctgttat 540
cgataaacc cgatcaanct cccactctt gctcacctat ntccaaaaaa aaaaaaaaaa 600
ctcanggggg gcnggggtcc 619

<210> 631
<211> 210
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
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<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
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<222> (80)
<223> n equals a,t,g, or c

<220>
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<222> (102)
<223> n equals a,t,g, or c

<220>
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<222> (130)
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<220>
<221> misc feature
<222> (136)
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<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<400> 631

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ggnCNTaaca cccacncaa gagtccccac ttaacaatac cccccnccna cgncaagaat 60
gcnnaaatcc gaatgaccn agttttccta ttgagtaaAC angatcccag ttgtgccccA 120
ctagcatgan gcctgnagtt ccggtttcat gcatgaaatt gnttntggag agttttgtaa 180
gttgtaaagc caattactgg cttttnacat                               210
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<210> 632

<211> 359

<212> DNA

<213> Homo sapiens

<400> 632

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caagctgctg ctccaaggcc tggccacatg cagacaggag gaagctgagc tcgacattag 60
gcctcaaggc tgccatctgt cttgtagggc ctggccttgt gggcaggggg cagtcctgtg 120
ccttgtgggc cctcagcctc tgagggcaga gatgctgtca gtgccgcagg gtaagggacg 180
agtcttctgg aaggctctgc catggacatt tgcctcggg ctcagaggcc ccaccctgcc 240
ccacacctgc ccctaatac tgcagtgccc agcccagtg tgaacagatt gtagcgttct 300
gtctcattac gagcaataa atagactttc attggaaaaa aaaaaaaaaa aaaaaaaag 359
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<210> 633

<211> 328

<212> DNA

<213> Homo sapiens

<220>

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<222> (221)

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<220>

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<220>

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<222> (256)

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<220>
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<222> (319)
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<220>
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<222> (323)
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<400> 633
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tgggcggtga ttccgcttct gcctgggctc ctgccatggc ccccgagagg ggctgacact 120
ttagctcccg gtgcaggtga gaacccgccc ggaggaagaa ggaaggcgcg ggccggggat 180
taggagacgg aggcggactc ggagccaggg aaccaggggt ncnggctaga gctggagtcg 240
tgagcncgcg cccgcncgcg tctgggagga ccgcgagatg cccgtntcta agcagctggg 300
ccccgcgtca cccaagaanc ggnctgat 328

<210> 634
<211> 330
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (326)
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<222> (327)
<223> n equals a,t,g, or c

<220>
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<222> (329)
<223> n equals a,t,g, or c

<400> 634

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cagaatcctc tttctcccc atttgccct gggctcagg gaccaggtgg ggcgggtggg 60
gagctgtccg gtgtaccac accgtgccct cagtggacta accacagcag cagccaggga 120
tgggccctgg aggttcccgg ccggagagtg cctctccct ctgccatcca cgtcaggtct 180
ttggtggggg gaccccaaag ccattctggg aagggtcca gagtcagcc gtccagctgc 240
tcctttcca gtttgatttc aataaatctg tccactcccc ttttgtggg gtgaacgttt 300
taacagccaa aaaaaaaaaa aaannnnana 330
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<210> 635

<211> 111

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (19)

<223> n equals a,t,g, or c

<220>

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<222> (24)

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<222> (35)

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<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<400> 635

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caatcccggt ntaccagng tcnttttcc cccncanga aaagaaacaa caacttgggg 60
taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaat aaagaaagnt c 111
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<210> 636

<211> 298

<212> DNA

<213> Homo sapiens

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<220>
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<222> (211)
<223> n equals a,t,g, or c

<220>
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<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
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<400> 636
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gacctgtttg ttgcgttttg tgctttgatg ccaggaatgc cgcctagttt atgtccccgg 120
tgggggcaca cagcgggggg cgccaggttt tccttgctcc ccagctgctc tgcccccttt 180
cccttcttcc cctgactnca ggccctgaacc ngccccgtgn ctgtnaataa atctttgtga 240
aattaaaaaa aaaaaaaaaa aaaactcggg ggggggcccc gtaccaantt gggccctt 298

<210> 637
<211> 491
<212> DNA
<213> Homo sapiens

<220>
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<222> (58)
<223> n equals a,t,g, or c

<220>
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<222> (64)
<223> n equals a,t,g, or c

<220>
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<222> (70)

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<220>

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<222> (114)

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<220>

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<222> (119)

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<220>

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<222> (133)

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<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

<220>

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<222> (221)

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<220>

<221> misc feature

<222> (298)

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<220>

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<222> (365)

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<223> n equals a,t,g, or c

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<222> (390)
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<220>
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<222> (414)
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<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 637
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cctnatctgn ggctaccaga gagcagaaag gacccaccct gggactcttc tgtntgttng 120
aaagatgcmc canccctgnc ccccggcttc ccctctntcc gccacagaac ccagttttct 180
agaccagggg gacgggcacc catcactccg caggcgaaat naaagccccc ctgccccggc 240
cctaaacccc tgtgncctcc ttcccatgg ttcccccag agccagttac aaccctgncc 300
cgggccttaa ccccatggc ttctttcttg tggttttccc ccagaggcca gttagttccc 360
aactngnaaa nccgtttggg nttcccatn aaaaaaatt ttggtttcat ttnaaaaaa 420
aaaagggnag gagggggggg gcccggttaa ccatttgggc ttaagtngn tgnnttttaa 480
aattaattgg c 491

<210> 638
<211> 331
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
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<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
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<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
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<220>
<221> misc feature
<222> (277)
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<220>
<221> misc feature
<222> (286)
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<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
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<222> (321)
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<400> 638
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ctactggatg cttacagtna ctgtggatac ggggggttccc ttccccatt nagtgacatg 120
tcctctctgc ttggngtaaa cnattctnng gaggacactt ttnccaataa actctttccc 180
cagctgatta gtgtctaagg aatganccaa tacttgtntg cccttttcct tggactatta 240
acaattgcct gggaggntta gcaagaggaa gcctgtntgt aatttnattt caaaaaggca 300
aaatagagng ttttacagtc ntagggaat t 331

<210> 639
<211> 444
<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<400> 639

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ctccccgtac cgccgcgcgc cccgccaaac ctgcgcccc agctacaccc ggagcgccga 120
cctccccagc agaacaccgc ctgttgaaga cctgctggag ctgtcgcgtg ctttctgggt 180
tggggctgat gggggcgggc gggtagtgt actgggtggc acggaagccc atgannntgg 240
gataccccc gagtccatgg accattacgc agatgggtcat cggcctcagt gagaatcaag 300
gcattgccac ctgggggtatc gttgtcatgg cagaccccaa agggaaggcc taaccgcgtt 360
gtttgaaagt accaccagtg aatctgtctt ctgtctctgt ccctttcccc gtgacacaca 420
gagcangcat ggaatttaat gggt 444
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<210> 640

<211> 598

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
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<220>
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<222> (543)
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<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<400> 640
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ggcgatagaa attgaaacct ggcgcaatag atatagtacc gcaagggaaa gatgaaaaat 120
tataaccaag cataatatag caaggactaa cccctatacc ttctgcataa tgaattaact 180
agaaataact ttgcaaggag agccnaaggt taagaccccc gaaaccagac gagctaccta 240
agaacagcta aaagagcaca cccgtctatg tagcaaaata gtgggaagat ttataggtag 300
agggcagaaa cctaccgagc ctgggtgatag ctggttgtcc aagatagaat cttagttcaa 360
ctttaaatTT gccacagaac cctctaaatc cccttgnaaa tttaactgta gtccaaagag 420
gaacagctct ttggacacta ggaaaaaacc ttgtagagag aggaaaaant tacaccata 480
gtangcctaa aagcagcacc aattaagaaa gggtaantn acaccatact aaaatccaac 540
ctntactgac tctacancca ttggccantt tcctttaaac caggggtatc cgaacttc 598

<210> 641
<211> 466
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

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<220>

<221> misc feature

<222> (280)

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<220>

<221> misc feature

<222> (314)

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<220>

<221> misc feature

<222> (337)

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<222> (376)

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<221> misc feature

<222> (443)

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<222> (464)

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<221> misc feature

<222> (465)

<223> n equals a,t,g, or c

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<222> (466)

<223> n equals a,t,g, or c

<400> 641

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caacctccga gcagtacatg ctaagacttc accagtcaaa gcgaactact atactcaatt 120
gatccaataa ctgaccaac ggaacaagtt accctaggga taacagcgca atcctattct 180
agagtccata tcaacaatag ggtttacgac ctcgatggtg gatcaggaca tcccgatggt 240
gcagccgcta ttaaaggntc gtttgggtcaa cgattaaagn cctacgtgat ctgagttcag 300
accggagtaa tcanggcggg ttctatctac ttcaaantct tcctgtacga aaggacaaga 360
gaaataaggc tacttnacaa agcgccttcc ccgtaatgat atcatcttaa cttagtatta 420
taccacacacc caccacaagaa canggggttg taagaaaaaa aaannn 466
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<210> 642

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

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<220>

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<222> (7)

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<220>

<221> misc feature

<222> (20)

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<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

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<222> (116)

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<220>

<221> misc feature

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<222> (127)
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<220>
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<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

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<220>
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<222> (173)
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
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<222> (309)
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<220>

<221> misc feature
<222> (327)
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<220>
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<222> (424)
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<220>
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<220>
<221> misc feature
<222> (497)
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<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<400> 642
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cacttgctat aagtttttta attaacaatca ctagtgacac taataaaatt aacttnttag 120
aangcangan gtgnttgtn gtnacaaatn cagaaagtga actgcagtgc tagnaatacac 180
atgttaatac tgnttttctt ctatctgtag ttagtacagg atgaatttaa atgtgctntt 240
cctgagagac aaggaagact tgggtatttc ccaaacagg taaaaatctt aaatgtgcac 300
caagagcang aggatcaact ttaggnat tgatgatctg taaagacaac aaatcccttt 360
ttttttctca attgacttaa ctgcatgagt tctggtttat ctacctctaa agcaaacttg 420
cagngttcca aagacttttg tatggattaa gcgctgccag taacaaaatg aagtctcaaa 480
acagagctca nntgcanaaa agcatatttt ctgcggttct ggactgcact gntgccttgc 540
ctnacataga cactcagaca cccttacaaa cacag 575

<210> 643
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 643
gaccttctgc ataatgaatt aactagaaat aactttgcan ggagagccaa agctaagacc 60
cccgaaccac gacgagctac ctaagaacag ctaaaagagc acaccctgtct atgtagcata 120
atagnngggaa gatttatagg tagaggcgac aaacctaccg agcctgggtga tagctgggtg 180
tccaagatag aatcttagtt caactttaa tttgccaca gaaccctcta aatccccctg 240
taaatttaac tgtagtcca aagaggaaca gctctttgga cactaggaaa aaaccttgta 300
gagagagtan aaaatttaac acccatagta ggcctaaaag cagccaccaa ttaagaaagc 360
gtcaagctca acaccacta cctaaaaaat cccaaacata taactgaact cctacacca 420
attggaccaa tctatcacc tatagaagaa ctaatggtag nataagtaac atgaaaacat 480
tctccttcgc an 492

<210> 644
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
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<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<400> 644
gatacntcan tgggaacagg gcccatggaa atgtacagga ntttcctat ttggtgntc 60
agcttgaa 68

<210> 645
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
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<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
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<220>
<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<400> 645

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tcttatttta ttagaatgga taagatgatg ttaaatgcct tggtttgatt tctagtatct 120
attgtgttgg ctttacaat aattttttgc agtcttttgc tgtgctgtta cattactgta 180
tgtataaatt atgaaggacc tggaaataag gtataaggat cttttgtaaa tggagacaca 240
tacaaaaaaa atctttgaat ggtnaatag ggatggaatg gggaaagtgn ttttggaag 300
anattcccat tttgccgggg agactatttg aagtgnccat cnttgtccca aacaaggtaa 360
attnttttt gttaaagtgc aagtnccggc aggcagaagg aaccgtttac agtgtgattn 420
aagaaaggga aaccgtgcc tttttagcct ccaaacccaa ttgaccataa tttacaggcc 480
ccggtttg                                     488
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<210> 646

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<400> 646

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ggatgttttt atattacatg aatttaataa taaactaaac ttttttttgt ctcccggtat 60
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tgaaaagtac caaagcttct ttctgttggtg ttgatttta ctataggggt tttgcttttt 120
ctagagatac ttttcattta acagcttttg ttaagtgtca ggctgcactt tgctccatat 180
aattattggtt ttcagatttc aacttgtagt tggttgcttc ttaaagcatt ggtgaaatca 240
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<210> 647

<211> 137

<212> DNA

<213> Homo sapiens

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cggccgggcg ctaccgctc cggggacagt gccagggtggg gagtatgact gngnngnaac 120
acctgttaaa cnggaac 137

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<212> DNA
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caagctgaag ctgctgtcgg tgccgctgcg cgagggtac gggcgcatcc cgcggggcgc 180
gctgtgttcc atggacgcct tggacctcac cgacaagctg gtcagcttct acctggagac 240
ctacggcgcc gagctcaccg ctaacgtgct gcgcgacatg ggcctgcagg agatggccgg 300
gcagctgcag gcggccacgc accagggctc tggagccgcg ccaactgggat ccaggcccct 360
cctcagtcgg cagccaagcc aagcctgcac tttaatagac cagcaccggg ctctgttacc 420
gcgaaggtca aa 432

<210> 649
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<212> DNA
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<221> misc feature
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caatgcagag accatgctga gctcactgga cactgtgctg gggctagggg atgacaccct 120
tctgtggcct caagtgtgat gccttacaaa agcaccactc agatgggcag ctggactctg 180
gtgtcctgag actctgccct ctccacacag cctccctgcc ccacccatcc ctgcaaagcc 240
atTTTTcaga cagagccatt cctaagaaca ctgaagggtt ggaatgctgg ctggccactc 300
tctgcctcag tggcctccct aaagcctgga agaaggaggg tcctgattgc caaggaaacc 360
tcctcattgg gctaaggaga cactggagtc tggantgtgg agccccacag tcttgcaggt 420
caaatgctct ccttgcant ctggcctggt tgtaaccant gggctctggc tctgccctgg 480
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aatc 544

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<213> Homo sapiens

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<222> (272)
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<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<400> 650
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caagcataat atagcaagga ctaaccctta taccttctgc ataataaatt aactagaaat 180
aactttgcaa ggaagagcca aagctaagac ccccgaaacc agacgagcta cctnagaaca 240
gcttaaagag cacaccctc tatttttgcc anaatagtgg gaaagattta taggtttgaa 300
ggcgaaacaaa cctaccgagc ctggttgatt agcttggttg tcccaagatt agaattctta 360
tttccactt ttttattttt gccccaccag aancctcctt tttaaa 406

<210> 651

<211> 444
<212> DNA
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<400> 651

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cagacgagct acctaagaaa cagctaaaag agcacacccg tctatgtagc aaaatagtgg 180
gaagatttat aggtanaggc gacaaaccta ccgagcctgg tgatagctgg ttcccnaag 240
aatagaatct tagttcaact ttaaatttgc ccacngaacc ctctaaatcc cccttgtna 300
atttaactgt ttngtcccaa anaaggaaca gctccttttg ggaccctagg aaaaaacctt 360
nttaaaaaaa agtttaaaaa attttacncc ccttgtttgg ccttaaaacc cccccccan 420
ttaaaaaagg tttaaactc ccan 444
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<210> 652

<211> 69

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<400> 652

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tatggtttt 69
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<210> 653
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<212> DNA
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<400> 653

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atcattatgt aaaagaaaat atatttttagc ccctaaaatt aggaagaatg taatctcaga 180
ataaagggttg tcatttaagt tgaataaata tatagcttta tgaaaaacat anaanaaaan 240
aaaaaaaaaa aangccccga aaggaccntn ttaancaaaa ccnnattgaa aaggcttgga 300
aaaacaaagn cgnttgaaag ctgnttccag taaaccaaac caanccagta nngnggggca 360
attngtngcc ttancagtac ccantcaaaa aanagnngntt tgggaaaagg gggaaanaan 420
aggnaatcng aancttaagc ttanactttt gggaaanatt ccccttgga aattganaag 480
ttttttgggg aaaaggnaaa aggnacaacc ttnttgaaaa ttanggggg gnattaaact 540
taaatttgcc taattggggg gaaccccntt taaaaaaaaa ttggacttgg ngactaaagt 600
tgcantgaaa ttttttcccc ttaaaaaagg ggccttggtta cccttnagg 649
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<212> DNA

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aaccacttga ccttgaccac catgttgctg cccacgact cccacatgct ctgatgcgg 120
ccgatgtagg ggaggttggg ccgcccagct gacaggaaga cggcacagtc cccgacacgc 180
agggctctct cgccccgcac gatggccttg taaaacagct tccgggcctt ccccttcacg 240
ccacgcccgt ntgggggaca tgggcagggt ggctctgaaa agccgggggg ctgtggggac 300
agattgcggc caggaagcat ggaagggtgt gtgtgggtgt gantgtgaat ctgaatgtga 360
gtgtgcaggg cggccacaag ggcaggaagc cgcagcaccg cggcttaagg ccatggcagc 420
catggatctg gancaagggc cagcctcca cgganccgc acatggaatc atgactctgg 480
acactggatc tggggacagg gacatgtgga caagacnttc ancacagtgt tttttacgaa 540
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cctgcctttt actttcgtgt ggatatgtga agcattgggt cggaactag ctgtagaaca 120
caactaaaaa ctcatgtctt ttttcacaga ataatgtgcc agttttttgt agcaatgata 180
tttctcttgg aaagccagaa atgcttttga ccagagcacc tccaaactgc attgagaaaa 240
aattcccaga accatcccct ttttccatth ttatattatt tataaagaaa gattaaanct 300
gttttgacta tnttacagcc ctggaattta ctacctccct gtttctntct ccccgaaaaa 360
aatgaaacca acgattgggt tcctttgaat tcccgttccc ncctcccgtt atttnnaaaa 420
tccccccctt ntt 433

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acgacagcac gtgttctttt tcaactagtag aagtgacgtt gggttcatgt tggggggggg 120
ggngccatth ttttntggt tcagtggaga gcaaaatgaa taacaaagcg ggctcctttt 180
tctggaacct tagacaattc agtacattag tttcaacaag cagaactatg aggctatggt 240
gtttgggact ttgcaaacca aaaatagttc cattcaaact ggaacattht gaaataactt 300
tcataacaga atgcaatcaa cggatgatca ttgagngagc gcttgacagn tgccntcatt 360
tttgaaatca gatgttggcc ttgcaaacca agggncataa agcactccaa cagnccctta 420
gaaattgnaa agacnacctt tatgctaata 450

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<212> DNA
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tggttttaga cctgtgttac taaaaaaag atgaatgtcc tgaaaagggt gttgggaggg 180
tggttcaaca aagaacaaaa gatgttatgg tgtttagatt tatggttggt aaaaatgtca 240
tctcaagtca agtcactggt ctgtttgcat ttgatacatt tttgtactaa ctagcattgt 300
aaaattatatt catgattaga aattacctgt ggatatttgt ataaaagtgt ggaataattt 360
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ataatgnccc ccna 434

<210> 658
<211> 397
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<400> 658

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gacagtctca gggacacccat gtagagaatt ttggtctcga ttcagaaaag agaaagagcc 120
agtgggttgtt gagacagtag aagagaaaaa ggaacctatc ctagtgtgtc cacctttacg 180
aagccgagca tacacaccac ctgaagatct ccagagtcgt ttggaatctt acgttaaaga 240
agtttttgggt tcatctcttc ctagtaattg gcaagacatc tccctggaag atagtcgtct 300
aaagttcaat cttctggctc atttagctga tgacttgggt catgtagtcc ctaaactccn 360
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<210> 659
<211> 156
<212> DNA
<213> Homo sapiens

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<220>
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<222> (7)
<223> n equals a,t,g, or c

<220>
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<222> (10)
<223> n equals a,t,g, or c

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<400> 659

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ctctagtctg gcacggtgaa gagacatgan agnggtanaa taagtgggag gcccccgcg 120
cccccccggn gtccccgcga gggggcccggn gcgggg 156

<210> 660

<211> 276

<212> DNA

<213> Homo sapiens

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<222> (267)

<223> n equals a,t,g, or c

<400> 660

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gaggaaccgc aggttcagac atttggtgta tgtgcttggc tgaggagcca atggggcgaa 120
gctaccatct gtgggattat gactgaacgc ctctaagtca gaatcccgcc caggcggaac 180
gatacggcag cgccgcggag cctcggttgg cctcggatag ccgggtcccc cgctgtcccc 240
gncggcgggc agccnccnct ntacgangcc caccgc 276

<210> 661

<211> 275

<212> DNA

<213> Homo sapiens

<220>

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<222> (4)

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<220>
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<222> (5)
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<220>
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<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<400> 661
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aggttcagac atttggtgta tgtgcttggc tgaggagcca atggggcgaa gctaccatct 120
gtgggattat gactgaacgc ctctaagtca gaatcccgcc caggcggaac gatacggcag 180
cgccgnggag cctcggatgg ctcggatagc cgggtccccc cctgnccccg ccggcgggcc 240
gccccccctn cacgcgcenc gcgcgcgcgg gaaag 275

<210> 662
<211> 506
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<223> n equals a,t,g, or c

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<222> (363)
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<220>
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<222> (383)
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<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<400> 662
gtgcctttca tttttatatt accacagata ctttcctcat agtccttgcca ntgcttgtag 60
aatgcttana aaaagcttga taaaccactg ggctaagtag acagagggag aggctagcag 120
tatttttaaa ttggtttcta aattttttat agcttgatgg tagataacac atttgcttca 180
atnaaggtaa nccggaaaaa acaaatcctc aaaaagacct ctcaattaga attcttaaat 240
gacaatgttt tctttatcat atatttgaga gattgattta aagaaaaata tgcttgacta 300
tctgaaataa tattttaacc ctatcataaa atctctgcct ggtanaacag ctgactgtgg 360
aanggtaaaa tgcagagaac cantcattgg atctcccttc tctactttgt tactgaaatc 420
ttgaacctgt anaacaatta cttancactg gggttccttt cctaanggga aaataatact 480
naacacntgc agagtaattt ttaaaa 506

<210> 663
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (532)

<223> n equals a,t,g, or c

<400> 663

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ccatttacc cc aaataaagta taggcgatag aaattgaaac ctggcgcaat agatatagta 120
ccgcaaggga aagatgaaaa attatagcca agcataatat agcaaggact aaccctata 180
ccttctgcat aatgaattaa ctagaataaa ctttgcaagg agagccaaag ctaagacccc 240
cgaaaccaga cgagctacct aagaacagct aaaagagcac acccgtctat gtagcaaaat 300
agtgggaaga tttataggta gaggcgacaa acctaccgag cctggtgata gctgggttgt 360
ccaagataga atcttaagtt caactttaa tttgccacag aaccctctaa atccccttgn 420
aaatttaact ggtagtcca agaggaacag ctctttggac actaggaaaa aaccttgtn 480
agagagtaaa aaaattaaca nccatagtan gcctaaaagc agcaccanta anaaagcgg 540
caagctcaca 550
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<210> 664

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (486)

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<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<400> 664

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tggtgatagc tggttgtcca agatagaatc ttagttcaac tttaaatttg cccacagaac 120
cctctaaatc cccttgtaaa tttaactgtt agtccaaaga ggaacagctc tttggacact 180
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aggaaaaaac cttgtagaga gagtaaaaaa tttaacaccc atagtaggcc taaaagcagc 240
caccaattaa gaaagcggtc aagctcaaca cccactacct aaaaaatcca acatataact 300
gaactcctac acccaattgg accaatctat caccctatag aagaactaat gttagtataa 360
gtaacatgaa aacattctcc tccgcataag cctgcgtcag attaaaacac tgaactgaca 420
attaacagcc caatatctac aatcaaccaa caagtcatta ttaccctcac tgtcaaccga 480
acacangcat gtcataang gaanggttaa aaanaaaaaa aaaaactttn gggggggccc 540
gg 542

<210> 665

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (310)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (429)

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<220>

<221> misc feature

<222> (431)

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<220>

<221> misc feature

<222> (525)

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<220>

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<222> (549)

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<220>

<221> misc feature

<222> (600)

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<220>

<221> misc feature

<222> (627)

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<220>

<221> misc feature

<222> (635)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (650)

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<220>

<221> misc feature

<222> (687)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (692)

<223> n equals a,t,g, or c

<400> 665

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gggtcagagg aaaaaacttt actatgacac ggactatggt tccaagtccc gaggccggca 120
gagtcaacag gaggcagagg aggaggaaag agaggaggag gaggaggcac agatcattca 180
gcggcgcccta gccaagcgc tgcaagagga tgattttggt gtcgcctggg ttgaggcctt 240
tgcaaaacca gtgcctcagg tagatgaggc tgagacacgg gtcgtgaagg atttggtctaa 300
aggttcagtn gaaagaaaaa cctnaaaatg ttgcaaaagg aatcaccaga actcttgagg 360
cttatagaan accttgaaag tcaagttgac agaagttaag gatgagctgg agccattggt 420
agaagttgnt nggaacaagg ggatcattcc acccggaaaa aggaagccaa tactttgagg 480
accaagtaca acctctactt gaattaattg ctggaacatc agtntttatt tgatcctgaa 540
agctaggana gtcccagcac atggacatct tgatcatagaa aggcttggtc ctaccgaaan 600
ttgatcaaca agctgtccgt tgggatnaaa actgncctaa aaatcgcatn tgttgcactt 660
aggttatctt taaagaagac tgtttcnaag cnaatcacca agccaaacca ag 712
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<210> 666

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

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<221> misc feature
<222> (12)
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<220>
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<222> (18)
<223> n equals a,t,g, or c

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<222> (20)
<223> n equals a,t,g, or c

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<222> (29)
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<222> (361)
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<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<400> 666
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tgtacttcaa gatgcctccc tgatgtatag aatctccttg taaaataaat aattgcattg 120
tatatcagtc ttcccatcaa tattaattat taaatatttt agaatttttt tatagttggg 180
atttaaaaaa aaaaaaaaaa agggcgggccg ctctagagga tccctcgagg ggcccaagct 240
ttacgcgtgc atgcgacgct catagctctc tccctatagt gagtcgtatt attaagctag 300

gcactggccg tgcggtttac aacgtccgtg gactggggag atcngctagc ttggggncct 360
ngggtgaagg aaccttactn n 381

<210> 667

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (71)

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<220>

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<222> (78)

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<222> (261)

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<222> (334)

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<222> (371)

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<222> (392)

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<222> (403)

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<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<400> 667

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ggcagcaagg nacagggnac caacaggtag caagtgtgcc ttccctcaggg cccttcctga 120
gagctccaca gcccaccctg tggcccccctg cttggccttg cctggcctgc ccggccccag 180
ccttccaatg ctgctgcacg tcctcatttt ccttttttgt cccctcctgc cccctctggc 240
tgttctgcct ttgggcctca nccccagctg cctgaatttg ggcaagggtc ttctctctgtg 300
gncttcaagc tcanccccaa gggttcttga accngggctc ttcccaacgg gcccaaccct 360
aacttaaaaa ntngaacccc tggttttcaa antctttctt aantggtnaa aaacccaat 420
cccaagggtg aaatttc 437
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<210> 668

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

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<222> (172)

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<220>

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<222> (239)

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<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (244)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
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<222> (330)
<223> n equals a,t,g, or c

<220>
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<222> (353)
<223> n equals a,t,g, or c

<220>
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<222> (358)
<223> n equals a,t,g, or c

<220>
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<222> (362)
<223> n equals a,t,g, or c

<400> 668
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tgaggggcctc tgtcacccag gacctgcctc ctgcctgccc ctctcccgcc agactgttag 120
aaaatggaca ctgtgcccag cccggacctt gggcagccca ggccgggggtg gngcatgggc 180
ctggggccacc ttctcttcct ttgctgaggg ctccagcttt caggcaggcc aaggccttnt 240
tcnnccccac ccgccctccc cagggggcct cgggagctca ggtggggccc agtttcaatc 300
ttcccgttgt tgttggtggg gcccttaann tccccagcg ttcccathtt ttnggcantt 360
tntgg 365

<210> 669
<211> 474
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<400> 669
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agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac 120
caagcataat atagcaagga ctaacccta taccttctgc ataataaatt aactagaaat 180
aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag 240
ctaaaagagc acacccgtct atgtagcaaa atagtgggaa gatttatagg tagaggcgac 300
aaacctaccg agcctggtga tagctggttg tccaagatag aatccttagtt caactttaa 360
tttgcccaca gaacctccta aatccccttg ttaatttaac ttgtnagtcc aaagaagaac 420
agctcttttg acactaagaa aaaaccttgt aganananta aaaaatttaa cncc 474

<210> 670
<211> 467
<212> DNA
<213> Homo sapiens

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<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature

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<220>
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<223> n equals a,t,g, or c

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<222> (211)
<223> n equals a,t,g, or c

<220>
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<222> (215)
<223> n equals a,t,g, or c

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<220>
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<222> (227)
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<222> (229)
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<222> (287)

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<222> (318)

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<222> (325)

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<222> (335)

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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (348)
<223> n equals a,t,g, or c

<220>
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<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
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<222> (367)
<223> n equals a,t,g, or c

<220>
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

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gaccgctctg agctaaacct ancccccaccc ccaactccacc ttactaccan acaaccttag 120
ccaaaccatt tacccaaata aagtatangc gatataaatt gaaacctgnc ncaatacata 180
tactaccncc agggaacat gaaaaattat naccnancnt aatatancna ggactaacc 240
ctataccttc tgcntaatga attaaactaca aataactttg cnacganagc ccaagctaan 300
acccnccaaa ccncacancnt acctnanaac anctnnnaga acnccccntc tatgtaccna 360
ntactgngaa nattatacgt aaaggnacca acctaccnaa cctgntgata ctgggtgtcc 420
acataaatct tattcccttt naatttgccc ccaaacctct taatccc 467

<210> 671
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<400> 671
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taagaaagac cctaaaatgg atatagaagt gtgtgtgtat ccataaaatg catatgtaaa 120
tttttttttg tttttaagca ttcacccaaa caaaaaaatc acaggtaaac ccatgtttct 180
gagatgccat tattccaagc aaaataagag ataatccctt caagttaaat tgaaaatttt 240
cctgaaacca tacatttcaa gtgaaataag taattctaga tagggcaatt tnaattggat 300
aattttaaag tgtctnttat tgcagtggtt tatttgcaaa ttcctaaaag ggaaaatttt 360

<210> 672
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (227)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (228)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<400> 672

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agncagccag gtttncctgg ggccaggctg ggtgtcctca caggagtagg gnctacaccc 120
aattccaaaa gcctgagaaa gagagaagtg gagggggagg cgagtttntn aataaaggct 180

cccatcaggt caaaaaaaaa aaaaaaaaaan ttnggggggg gccccgnncc caattng 237

<210> 673

<211> 429

<212> DNA

<213> Homo sapiens

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<400> 673

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gtggctcggt ccagacctca gaagcaccag aatacgttta gcttcaaaaa tgacaagttc 120
gataaaagtg tgagaccaa gaaaattaat gcaaaacttc atgatggagt atgtcagcgc 180
tgtaaagaag ttcttgagtg gcgtgtaaaa tacagcaaat acaaaccatt atcaaaaccn 240
aaaaagtgtg ttaaatgttt acaaaagaca gtgaaggatt cttatcacgt aatgtgcagg 300
ccatgtgccc tgtgaacttg aagtttgcgc aaaatgttgg aagaaaggag accttgtatt 360
ccaatcctgg gccaaagaat ccagncncaa gagttggaag cttagaaaagg agttccactc 420
aggggnntn 429

<210> 674

<211> 134

<212> DNA

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cagncgntgg agca 134

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<211> 274
<212> DNA
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aatatcacag acaccnctna cacaaggaat ataaaaancca ccaccctnca gcctgggaga 120
acgtcgtnga gaacctacat ctatacanga ttttaaaaat gaagctgggc gtggtggtac 180
acacctgtgg tcccagctta ctagggnggc tgcagccagg tntgnacgct ccaanccagg 240
gcttagtggc tgcaatgagc tcttanttgg catc 274

<210> 676
<211> 416
<212> DNA
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agagtcttct tcccaccctg ggcagggatg cacacggctg cagcgctggt gtcgggccaa 180
gcagatgggc ttggagcctc ccccagaggt gtggcaggtg ctgaagaccc accccggagg 240
acccccgctt ccagtgcagg tcagagacag gccgggaggg ctttcagggg agccagggcc 300

tttttncagg catgttcacc cngctgttcc tgacctgagg gagnaatggt tggaggggtt 360
ggaagggcnt tgtttgaaca ggcaagnagt ttnttttgag gtggcctggt ttcagg 416

<210> 677

<211> 507

<212> DNA

<213> Homo sapiens

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ggagggtttt cggggggttc ggcgtcgac cttggggccc cccgcagccg tntaccgggc 180
ctcccatctg ctaagcnttt ttccgttgag ccgntccaaa aacactaagc tggggacgcc 240
aagtgcctcc ccaccccggc tccctggccc tatccacaac ttcaacncca ncccaggatc 300

gccatctttt aggggagggc tnggaagggg gtgttaaggt gtttttaggg ccaacgaggt 360
tnaaacaaaa aggacccttn cccannccaa ccannccaan ccnaattna nctncatgnc 420
ttaggggaaa aatttncnna acaatttncc ctttnnngga accngggcaa anncaaggna 480
agttttnggg gtttnaattg tttctta 507

<210> 678
<211> 122
<212> DNA
<213> Homo sapiens

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<222> (104)
<223> n equals a,t,g, or c

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<400> 678
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atatggaggg aagattttat ggaaaaatgg ggatnctctt cntnaacccc aatnaattaa 120
gg 122

<210> 679

<211> 121
<212> DNA
<213> Homo sapiens

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<400> 679
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antcccgggt cgaccacgc gtccgtata ttattggaag naattntcct ctcacctcct 120
a 121

<210> 680
<211> 475
<212> DNA
<213> Homo sapiens

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<222> (5)
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caggctcagg gaccggccgc ggncccgtag tgtatttaac tcaaatgggt gatgaaaagg 120
tnctcttggn aaagtgnaaa acttttagatg gaaattcttc agggaaaaga aacgaggnaa 180
ggaacaagag gagaaagcag agntaaaacg cttaaaaaat tctgatgacc gggattccaa 240
gcgggattcc cttgaggagg gggagctgag ngattcactg ccatggagat cacaataagg 300
nactccccgt atagaagaga agacttcatn ggnagacagn ggnggaagaa gttggtttct 360
ttggccatca aaccaccccg gcaaatgttn ttggaaagna aaagtccctt cccggaaagt 420
tgaaaagggg aaaggaaaaat ntgggcttct ggccttngc cgnggggtcc agggg 475

<210> 681

<211> 421

<212> DNA

<213> Homo sapiens

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<220>
<221> misc feature
<222> (377)
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gaggaccaa gaaattgtca gctatacatt tatctttatg aactcattta tattcctttt 120
taatgactcg ttgttctaac atttcctaga agtggttcta taaagggtcta atgtatccac 180
aggctgttgt cttattagta aatgcaaaga aatgactttg tctgttttac tctagtcttt 240
agtacttcaa aattaccttt catatccatg atctgagtcg attgggggat tttaagaatt 300
gatgtattca atacacgttc aaaataaatg ttaatttag tatgagtang tagttcccga 360
agtgggtcca ttaaatnata aaccatgtaa cttgtctgtg aaaaaaaaaa aaaaaaccgc 420
g 421

<210> 682
<211> 118
<212> DNA
<213> Homo sapiens

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ancctgctct gagcgagtga gatcctactg gatcatcatt nacctaaacc ccaagcag 118

<210> 683
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<212> DNA
<213> Homo sapiens

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gcaggatccc gcggtcctcg gtcgccgcgt ccacgtccct ctcgcgtccc cgcccggcgc 120
cacgccgcct cctctgggtt cggcctccgc gcggtgcagc gcantctcag gccgcgggac 180
aagcccgact taaatctctg caatggctaa cgaacttata cttgtccgtg ttgacttggc 240
cacanattga ttatggaagg ctaggcgtga attcaattcc aacaatcaag gttatttcac 300
aatccccctt gangcaggca actgtaatgt cntccanant atttgggtggc attgcccata 360
canattntac tgaatnanc cggaatgata ccaacatgtc ccaatctttt tngggaaact 420
tggaccctcg gaatgtcttc tctnatggt gaaanaaatc caaaaaaaaa aaaatgttnt 480
naatt 485

<210> 684
<211> 527

<212> DNA
<213> Homo sapiens

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<222> (401)
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<222> (520)
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<400> 684
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gcaactgcga gggtagcccg gggccgcttg gagtcgccc gacctgagag gctgctgcac 120
tgggcctcag ccagccctcc ggatgctggt gctgccatcc ccctgcccctc agcctctggc 180
attttctctc gttgagacca tggagggccc tccccgtcgg acttgccgct cccagaaacc 240
tgggaccttc ctccctccatc ggattctccc caggctttca tcttcttcca agggcccaac 300
cactaacntg ctttattgga cattcagggt gttccctgac acagtgggtg gtgggacgag 360
gagtcacaga ggggagccag gggccagtgg gggttccagg ncagaaaaat tggttacagt 420
tgcccgtgtg gtcaagggtc ttctgagtaa atgttcntaa ttttaaggga cacagcatna 480
accaattggg agttaaagc ctctcnatgt gnaatttgn ggggaagg 527

<210> 685
<211> 125

<212> DNA
<213> Homo sapiens

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tgatgtatca taaaaggant taaaattcaa aatatcaaag acctcaccta tcggactaaa 240

cataaatctt aaaacctcct atggtcctct gancnnaaaa ttacaaaact tagcaactgc 300
ttaaacnta ggaattaacg gntctgtgtt ttccaggtaa gaaaaacaaa aaatgctttg 360
gtaaactanc ccatnatnta gtttaaagt ttctgccccg tttgtatcn ctccttgaaa 420
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aaacatataa ctgaactcct cacaccaat tggaccaatc tatcaccta tagaaagaac 240
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aataaatatt ttagtggaan aaaaaaaaaa naaantnann nnaanannna aaatannaan 180
aagggcggcc gcnctaaagg atccaanctt acgttcgcnt gcntgcaacg tcatacntct 240
cctatnttgt cacctaattt cnatccccctg gccgtctttt tacaaccttc nngactgggn 300
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nggcgttntt tctaaaaaag cccgcatccg atcncccttc ccaattagtt gcnnnccctt 420

taattgggna antggggacc cccctgtntt cggntccttt taatcttcgg nggggtggtg 480
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cctttccgct ttncctccct tncctttctc cctctcttcc cncgggtnt cnccggttct 600
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aacagtccta antagcngcc ctcaattgtg aaaaaattta ctttaaaacta cattaggttg 180
tgaatgcngg ttttatcaga actatgtttt ttgttcagnt tatctgntca tatggataaa 240
tattggtttg gatgacttgg tgtctaattg gtagtgctac ncacctaaact tatggggccn 300
aaatagcatg tcctaattgct tgctgctgat ttaaacacat taaagggtact ttgcaggaaa 360
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gncata 426
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tcagtctttt tatagatata aatcaagtag gcattatgtt ttaaaagact gacaggtaat 120
tatatttggn aaacatttna tgcactaact ttaaagaaat tgaaaattca ggtggataaa 180
tagncttaca aaagan 196

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agcctctggg ctctctgctc tgcctcctgc ttaggaacct gtccccctgg ggtagcttca 180

caacaccttc aaacataggc agtcagaggn ncacccgaga agggnccttc ccacgtncag 240
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<211> 508

<212> DNA

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cctttctaaag cgtcatgcaa attcgagaat ggagaaggac gctgccggtc cctgagcggg 180
gtggagaggg cggaaggtgg actccagcgc agcttgaggg gctgaggacg gaggctgcag 240
catctgtgtc gttctactga gcacgcttct ctgcctcgct cctgactcag cactttgttc 300
actggctcag cagttatggt tacacatcat ttttatggtc ctgctttgta attcatgntt 360
gagatgggtg gccactgtac agatatttat tacgcttttc agactttctg aatagatatt 420
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<210> 699

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<212> DNA
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cccactatgc ttagccctaa acctcaacag ttaaatcaac aaaactgctc gccagaacac 180
tacgagccac agcttaaaac tcaaaggacc tggcgggtgct tcatatccct ctgaggagc 240
ctgttctgta atcgataaac ccgatcaac ctcaccacct cttgctcagc ctatataccg 300
ccatcttcag caaacctga tgaaggctac aaagtaagcg caagtacca cgtaaagacg 360
ttaggtcaag gtgtagccca tgaggtggca agaaatgggc tacattttct accccagaaa 420

actacgatag cccttatgaa acttaagggt cgaagggtgga tttagcagta aactgagagt 480
agagtgcctta gttgaacang gncctgaacg cgacacaccg ccgtaccctt ctcaggatac 540
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<211> 787

<212> DNA

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tttttnncn ccatcaagg ggggaanttt antttttggg gtnaacaaac ccttgccccc 180
nggntnaccc cggggttccc cggggaaaaa ntttnccccc ggggggttcc ggnaanccct 240
tattgccngt tncccggggn ttttttnccc naaaaaaac aaantttntt tccccttttg 300
nccnntttta acttgggccg cctttgccca aaagggtttt ggggggggccc naaagggtca 360
attncccttg aancttgaaa ccggggaaaa gcttcaactt tggcattngg cccttnccgt 420
ggtccccact tgcaaacgtg gtcaantggg tgggaacctg aacttgccgt ctaaaaaaaa 480
acttgccaaa tattgaatga acantcaaaa aaagggtggg gaaancaaag ctngnaagg 540
ccccttcaa aaggcaatct tggcttacac ttaacaccaa ggtggtctnc ttttgacttt 600
naacaagnga acanccactt cttcancntt taacgcttgg ggcttgcant tgnccctcaa 660
ccaanactt ttgtcaaaag tcaattttct tgggtattaa caaaaccaa attttggtt 720
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<210> 701
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<212> DNA
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tataacactt aggactagaa gattagaaac taccaatccc aactacgtaa taggaaaaatg 180
taggatcaaa aggcccatgt atataagtac tgaccactgg gccataatgt tgcttctcag 240
gctatatgca gtccttttagt cagaagtcaa taggcctatt tattaatatt ttacagacca 300
tattacctgg attaccaggg actatctttg ctgcagagat caaggggttaa gatctatggg 360
aagatactta ttttctgag gnccttatgc ctggcatata attaaagact cangagaatt 420
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cacgagttat atgggaattc tctgtacctt ctgttcaatt ttgctatgaa cctaaaactg 180
ctctaaaaaa taacctctgc tttaaaaagg tatntgtact ctatnatctt ttattagaaa 240
tctttgtgtc tatttttaca tggaataaata cnggatgaag tccttattcc cctanaataa 300
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ccgaggctcc gcggcgctgc cgtatcgttc cgccctgggn ggattctgac ttagaggcgt 180
tcagtataaa tcccacagat ggtagcttcg cccattggc tcctcagnca agcacatata 240
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tnatnagtan ggtaaaacta acctgtct 328

<210> 705
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aattttatta tataaaaaata agttttaata tatattatat aaaaagtttt aataaatacc 180
taatataatta tttaatatga taaaacttat attaaatgaa attttatgct gttctcttgt 240
caatctgtct tttgttatct tgctggtgtg cctgtcatgt gagggactgc aatctgatat 300
gcctattttc cacagtcaaa gcaattacaa gagaattggt acaattaccc agttatgtca 360
agagattttt ttttaattcac taaggtagag ataangagaa tgtattaaaa ataggatatt 420
ttaattataa atgcatnact ggngaagggg tattgntttt gaataaanat atngaggnta 480
tttngccatg accncanaaa aaacnnaagt tngaaaaaat cccctgggaa aatttaaatgt 540
ntccttcnaa ctttttaaaa antaccctaa aaaaaatntt aatttggant taaaatcaat 600
atctccaatt aatcccnnaa ttctctttaa ataatcccc ttaaaataag gntaccctt 660
gaaata 666

<210> 706
<211> 267
<212> DNA
<213> Homo sapiens

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cnggtccccc cgcnggnnc cgcgccggg gccgnggttc cgccggcgcc tcgcctcggc 120
cggcgcctan cagccgactt agaactngtg cggannaggg gaatccgact gttaattaa 180
aacaaagcat cncgaaggcc cgcggcgngt gttgacgcga tntgatttct gcccaagtgt 240
ctgaatgtca agttgnanaa attcaat 267

<210> 707
<211> 300
<212> DNA
<213> Homo sapiens

<220>

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<220>
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<220>
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<222> (257)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<400> 707

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aaancggcag gtgcgcgcng ccctacagac gttcgcacac ctggntgcc a gcncccaaa 120
agtcccgga cagcccgaa cgccgcgccc gcagcccgga nctcccaag nnttcgaaag 180
cggcgcacac tcccggtctc cactcgtctt tccaacaccc gctcgtnttg gcggcagntc 240
gtgtccca g naccganttg ccccgaaaa cganacgccg ccgctgcgaa ggaccaatga 300

<210> 708

<211> 282

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)

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<220>

<221> misc feature

<222> (5)

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<222> (6)

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<222> (275)
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<400> 708
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gtaccgggtc cgggaattcc cgggtcgacc cacgcgtccg attacaagct gtagaccacc 120
taatatcaat ttgtaggtaa tgttcctgaa aattgcaata catttcaatt atactaaacc 180
tcacaaagta gaggaatcca tgtaaattgc aaataaacca ctttctaatt ttaaaaaana 240
aaaaagaaaa aaaaaaaaaa angggggggc cncntaang gt 282

<210> 709
<211> 399
<212> DNA
<213> Homo sapiens

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<222> (4)
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<220>
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<222> (42)
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<220>
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<220>
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<220>
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<220>
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<220>
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<222> (388)
<223> n equals a,t,g, or c

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<222> (395)
<223> n equals a,t,g, or c

<220>
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<222> (399)
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tagccgcgaa ancgggaaat tcccgggggt cgaaccacg cgttccggga aaaagcttgc 120
canaaacagg gagaaganag ganagaaaaa gggggattag ttatatcaaa aagcctggaa 180
agggtgggaat ggacaaaaa gatggggact cctcctttat tccaagcatg ggaggggggt 240
ttaaatggga gggatttcct ttttcctgcg acaaaacgtc ttttcacaac ttaccctggt 300

aagtcaaaat ttattttcca ggaatttaat atgtacttta gttggnatta tctatgtcaa 360
tganttttaa gctatgaaaa tatatatnaa cttanagan 399

<210> 710

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<400> 710

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caatgcaaat gtgtcaaaga catactgttg ggtgcaatat taacaatttt aaatgcaaat 120
ttctttggat aaattatttc tatattctgt aaatctgaga tttaatgtat attttgttta 180
aaaaatgatt tagtaaaatc ttgaaaagt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaan 300
aa 302

<210> 711

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

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<222> (110)

<223> n equals a,t,g, or c

<220>

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<222> (116)

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<220>
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<222> (439)
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<220>
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<222> (465)
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<222> (466)
<223> n equals a,t,g, or c

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<222> (483)
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<400> 711
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gggtcgaccn acgcgtccgg gctccacgag gggtcagctg tctcttactn ttaacnagtg 120
aaattgacct gcccggtgaag aggcgggcat aacacagcaa gacgagaaga ccctatggag 180
ctttaattta ttaatgcaaa cagtacctaa caaaccaca ggtcctaaac taccaaacct 240
gcattaaaaa ttctgggtgg ggcgacctcg gagcagaacc caacctncga gcagtacatg 300
ctaagacttc accagtcaaa gcgaactact atactcaatt gatccaataa cttgaccaac 360
ggaacaagtt accctaggga taacagcgca atcctattct anagtccata tcaacaataa 420
ggggttacga cctcgatgnt ggatcaagac attccgatgg tgcanncgct attaaagggt 480
cgnttggtt 489

<210> 712
<211> 121
<212> DNA
<213> Homo sapiens

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<222> (74)
<223> n equals a,t,g, or c

<220>
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<222> (88)
<223> n equals a,t,g, or c

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<222> (93)
<223> n equals a,t,g, or c

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<222> (94)
<223> n equals a,t,g, or c

<220>
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<222> (119)
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<400> 712
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ctgctacatg aagngcccca cgtaggtncg gannactttg acatcttggt acctaggana 120
c 121

<210> 713
<211> 476
<212> DNA
<213> Homo sapiens

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<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 713
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tcatcaacgg gaaagtactt cctctgagag tgcgagtga ccatgctcac tgttgctgcg 120
tgggagagtc acaagccact ggcaagcaag tggatagtc tgtgaagcac tgcagcgagc 180
agcacctgga tcttgccctt ataagaacat ttactacct gcagctttga gtcttgccct 240
acattttggg catgacataa gatgtgtctt tattcagctc gtcgtgaaga tgctgctgct 300
gaatgggtca gcatatctct gtttgcattg ttgcangaa gtcgggtttc atgggtcattc 360
agtttccaca gatcttgaat gattactggc tggctgggtc tttttttcca tgagaaaatn 420
actggtgcaa aattgnccta taaaattggn ctttactnaa atnaccaatg gtttaa 476

<210> 714
<211> 527
<212> DNA
<213> Homo sapiens

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<222> (16)
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<222> (79)
<223> n equals a,t,g, or c

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<222> (80)
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<220>
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<222> (414)
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<222> (462)
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<222> (469)
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<222> (483)
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<222> (497)
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<220>
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gacccacgcg tccgcccann ccactccac cttactacca gacaacctta gccaaaccat 120
ttacccaaat aaagtatagg cgatagaaat tgaaaccttg cgcaatagat atagtaccgc 180
aagggaaaga tgaaaaatta tagccaagca taatatagca aggactaacc cctatacctt 240
ctgcataatg aattaactag aaataacttt gcaaggagag ccaaagctaa gacccccgaa 300
accagacgag ctacctaaga acagctaaaa gagcacaccc gtctatgttg caaaatagtg 360
ggaaagattt ataggtagag gcgacaaaacc tacccgagcc tgggtgatagc tggnntgtnc 420
aagataagaa tcttagttca acctttaaat tttggccac anaaccctnt aaattccctt 480
ggnaaattaa ccggtangtc caagagggac caggtnttgg gaccctt 527

<210> 715
<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 715

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ataggcgata gaaattgaaa cctggcgcaa tagatatagt accgcaaggg aaagatgaaa 120
aattatagcc aagcataata tagcaaggac taacccttat accttctgca taatgaatta 180
actagaaata actttgcaag gagagccaaa gctaagaccc ccgaaaccag acgagctacc 240
taagaacagc taaaagagca caccctgcta tgtagcaaaa tagtgggaag atttataggt 300
agaggcgaca aacctaccga gcctgggtgat agctggttgt ccaagataga atcttagttc 360
aactttaaat ttgccacag aacctcttaa atccccttgt aaatttaact gttagtccaa 420
agaggaacag tctttggcac taggaaaaac cttgtagaag agagtaaaaa attaacaccc 480
atagtaggcc taaaagcagc accaattaag a 511
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<210> 716

<211> 81

<212> DNA

<213> Homo sapiens

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<222> (39)

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<222> (74)

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<222> (77)

<223> n equals a,t,g, or c

<400> 716

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gaagaataga gggncnctnatg g

81

<210> 717

<211> 208

<212> DNA

<213> Homo sapiens

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<220>

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<222> (6)

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<220>

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<222> (20)

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<222> (72)

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<222> (127)

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<220>

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<222> (175)

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<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<400> 717
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ttttaacact nntttaactc aaaatttgta atcattctta atancatctt tcttnatcaa 120
aagaaanagg aatttaaatga caggcagaca ctctttttaa acttattcac aaanccaat 180
aactgcacaa aatgntatta nctgcctg 208

<210> 718
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<400> 718
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tgccaggggc tgagtgcctag ggactcgtca tgagtgggga tccccacgtt cctgtcactg 120
ctgtcaaaca gaaggtaaac agtcttatga atgtatttcc ttaggaaaac ttgtaaaaac 180
ttttattagg atatctattt aatactgaac ttggcctac ttgtgatag actataaaca 240
aattgaggaa atcactattt ctcaattctg tattttctca aaaataattt tgttacagag 300
ttcaatatac tgtgtaccat tgatcttcta ttgtgaaagc aaagaatttc atcaaaatat 360
tttaaattat gagtgaatat tgtgtatgtt aattttgcag ctataatatt aatcaaattt 420
tgtgtaattc taatcacaaa atgacgtgcc ttaagtgcc ctccagctgt gggttggcag 480
tgtccggaca gggaggggcc atcaccgaaa tcctgaatga ttactagacc aattctatta 540
aaaacatttc aaggcanaaa aa 562

<210> 719
<211> 579
<212> DNA
<213> Homo sapiens

<220>
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<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
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<222> (530)
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<222> (534)
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<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>
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<222> (578)
<223> n equals a,t,g, or c

<400> 719
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ataggcgata gaaattgaaa cctggcgcaa tagatatagt accgcaaggg aaagatgaaa 120
aattatagcc aagcataata tagcaaggac taacccttat accttctgca taatgaatta 180
actagaaata actttgcaag gagagccaaa gctaagaccc ccgaaaccag acgagctacc 240
taagaacagc taaaagagca caccctgcta tgtagcaaaa tagtggaag atttataggt 300
agaggcgaca aacctaccga gcctggtgat agctggtgt ccaagataga atcttagttc 360
aactttaaat ttgcccacag aacctcttaa atcccctgn aaatttaact ggtagtccaa 420
agaggaacag gtttttgac ctaggaaaaa ccttgtgaag agagtaaaan tttaacaccc 480
tagtaggcct aaaagcagcc nccaattaag aaagcggcca agcttaacan ccantaccta 540
aaaaatccca acttntactg gacttcttac acccatng 579

<210> 720
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<400> 720

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gaggaacagc tctttggaca ctaggaaaaa accttgtaga gagagtaaaa aatttaacac 120
ccatagtagg cctaaaagca gccaccaatt aagaaagcgt tcaagctcaa caccactac 180
ctaaaaaatc ccaaacatat aactgaactc ctacacccaa ttggaccaat ctatcaccct 240
atagaagaac taatgttagt ataagtaaca tgaaaacatt ctctccgca taagcctgcg 300
tcagattaaa acactgaact gacaattaac agccaatat ctacaatcaa ccaacaagtc 360
attattaccc tcaactgtcaa cccaacacag gcatgctcat aag 403

<210> 721

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

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<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<400> 721

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ggagggatgc agggacattt actgaaggag ggacatggac aaaacaacat tgaattccca 120
gccccattgg ggagtgatct cttggacaca gagccccat tcaaaatggg gcagggcaag 180
ggtgggagtg tgcaaagccc tgatctggag ttacctgagg ccatagctgc cctattcact 240
tctaagggcc ctgttttgag attgtttgtt ctaatttatt ttaagctagg taaggctggg 300
gggaggggtg ngccngggtg cnnttag 327

<210> 722

<211> 202

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
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<222> (54)
<223> n equals a,t,g, or c

<220>
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<222> (63)
<223> n equals a,t,g, or c

<220>
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<222> (65)
<223> n equals a,t,g, or c

<220>
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<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
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<222> (176)
<223> n equals a,t,g, or c

<220>
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<222> (182)
<223> n equals a,t,g, or c

<220>
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<222> (201)
<223> n equals a,t,g, or c

<400> 722

gctcgcgccc caggccggtg taccgccgca ctccgcgccc cggcctanaa gctntctctc 60
ccngntcccc ggnccggccc ccgtcccgcc ccgccccaga tccgctgggc cgccatggag 120
cgctggcctt gaccgtaang gcggcgccctg gctgctcgtg gctgnccgcg cgctgntgca 180
antgctgagc tcagacctgc nt 202

<210> 723

<211> 354

<212> DNA

<213> Homo sapiens

<220>

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<222> (39)

<223> n equals a,t,g, or c

<220>

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<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

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<222> (66)

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<222> (72)

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<220>

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<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

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<220>

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<220>
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<220>
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<222> (246)
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<220>
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<222> (274)
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<220>
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<222> (295)
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<220>
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<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
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<222> (335)
<223> n equals a,t,g, or c

<400> 723
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ggcttncgtg ancgttaatt tcaggaaatc ctangcaa atgcagttac tgnctctagaa 120
gatanatagg tagtgtgtac tgtgatggaa attnnaatgt cactgttaaa aggtttgcat 180
tttgtgggct tggaagggcc tanaacttcc ttcttaggct ttctcttcac taagtgggct 240
cttgcnttat attacttcca gagaaaggca ggcnggatta gaggcattggt aaggnganca 300
atttggggaa atacctatac tgtgcaaaag agncnaagga caacctttta atgg 354

<210> 724
<211> 310
<212> DNA
<213> Homo sapiens

<220>
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<222> (22)
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<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
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<222> (297)
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<400> 724
gctacctcgg tgcgcgcccc gntcgcaggg cccgccagaa ggcccgtggc cacggcgaat 60
acggcgcggtg cgtcccggcc ccagggtccg gcagccccgc cggccgagcg cctccctgcg 120
gcctagccgg gcccggccgg gccggagcag nttcccacgg cccccacccg ntcgcctgcc 180
cgccgcctcg cgggtggggg cggngcgcgg gctccanccc cttttgaaat ttgagtctng 240
caaccagnaa gttcggaatc ccgagatacc ggatcctctg cgcaaaatgt tttctnncca 300
aggtgaaagg 310

<210> 725
<211> 99
<212> DNA
<213> Homo sapiens

<220>
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<222> (10)
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<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<400> 725
gcggacgcgn gggcgggcgg gcgggcggcc atgaggctcg ngcggcgng gcgggcgggg 60
taggncggcg ggcccgggga ggggggcggn agggcatgt 99

<210> 726
<211> 208
<212> DNA
<213> Homo sapiens

<220>
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<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<400> 726
agtgaagtcac ctgctggccg gcttctgtgt gtgggtcgtc ttgngctggg tagggggctc 60
agtncccaac ctgggccctg ctgagcagga ncagaacctac tacctgcccc gctgtttggc 120
tgtacggcga gaatggnacg ctgactgcaa ggggcttggc gcggttttcc acaacctgng 180
gctangncaa gttcaagggc ttcnactg 208

<210> 727
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<400> 727
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tgaacgaaac aagaaagaaa caaaacagaa gaggaatgaa aaagacataa tgatgtcatc 120
caagccaaca agccatgctg aagtaaatga aaccataccc aacccttacc caccaagcag 180
ctttatggct cctggatttc aacagcctct gggttcaatc aacttagaaa accaagctca 240
gggtgctcag cgtgctcagc cctacggcat cacatctccg ggaatctttg ctagcagtc 300
accgggtcaa ggaaatatac naatgataaa tccaagtgtg ggaacagcag taatgaactt 360
taaaagaaag aagcaaaggc actagggggg gatncagatc atggntggat tgatgccatt 420
gnnttggaat tgntttgngt t 441

<210> 728
<211> 429
<212> DNA
<213> Homo sapiens

<220>
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<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<400> 728
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tgagtggatg aaggtgggta ttgggggtgg ctgtnaaana aaataatgga gaatcacttt 120
tctatacatc tacctatact taatctaana aacaaagtaa tctactgtaa agtactctgc 180
cccttgaaag aagtattaaa aagagtgagg atggatttaa aaaaaaacat naatttagaa 240
atnttcaaaa tggtttttgt ggnagattc ctattatgaa ttcncacatn tttaaagaat 300
gagaacata nttattngtt aaaaatncca aaaacagttc ctgggttcct cttgttnttt 360
ganaactaaa aaaaatacca gagtgttgga atctccnaaa ccnatgaaat cccccnaaat 420
tttaaggac 429

<210> 729
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)

<223> n equals a,t,g, or c

<400> 729

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caaatgtttg ccagaattca cagtttagng catctaaatc canntatata gaaagcgctn 120
ttttcttttt cttctttttc tttttttttn ttttttttta agatggactc cacgttgcca 180
aggctggnaa tttgnttcct cttgatcaat ataaagacgt ttcaacatta ttgatctctt 240
tagagtttgg ntatantant                                     260
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<210> 730

<211> 136

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

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<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<400> 730

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gcggancacc atatngaacg ggagacctgg tgactagaca tcaagcaang nactatgcac 60
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caagaatata aaganggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aanaaaaaaaaa naaaaaa 136

<210> 731
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
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<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 731
nccctagaac ccagccagg accgnggagg ccngaagac ccccatcaag gaggagctgg 60
nggcagggaa aacctacagg cgntgagaga gaggccgcag caagaagcan 110

<210> 732
<211> 639
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (607)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<400> 732

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gataaacaat aaaatattgt gaacatcttc attagaatat ttttgcagc tttggaggta 60
ggatctagat aaaagttttt aggctaacc aaatatttta tcttcagtaa tgatatgcct 120
tttgctgtgt atgacatctg aaatgtggat aatactgaaa cgctctcagt cttaaaactta 180
taagctacac taaaatctaa ttaatgaatt gctgtaaaag tngttgatta ttaataaag 240
ctgtagnntt taacttttta tctgctgcct cttgtgttca tttcctttta aagggtgattg 300
gtttctgttt gtcacaaaa cataaaaacc ttaaaggagt cttacagatt tttgtgctg 360
ntaggtggct tttcccttct ggctctnttt ttttaacaa taattaataa ctaaaatatt 420
tatgtcttat tgaatatctt atggtataat aacatanttt atcttaaaat aatcaaatag 480
gatattcatg gatttttaga tctgtcttgt gagntgtgac agatttattc aataaacatt 540
tattgagtc cctatcaact acttgggtacc aaagaanana gatgaatnaa tcttgggtctt 600
tcaaaaangct ataggctatt ggggggaaat agggatggn 639
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<210> 733

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (306)

<223> n equals a,t,g, or c

<400> 733

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gaattcattt tnttcttatt aaggaaatac ttgcataaan gggnatcatt cccagagngc 60
tttaccaaaa ttctcttaaa taaaaataat agactcgcta gtcagtaaag atatttgaat 120
atgtatcgtg cccctccgg tgtctttgat caggatgaca tgtgccattt ttcagaggac 180
gtgcagacag gctggcattc tagattactt ttcttactct gaaacatggc ctgtttggga 240
gtgcgggatt caaagggtgt cccaccgtg cccctactgc aaatggcagt ttaaatctta 300
tctttnggct tctgcagatg gttgcaattg atccttaacc aataatggtc agtcctcatc 360
tctgtcctgc ttcataagggtg 380
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<210> 734
<211> 311
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 734
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nccgggtcga cccacgcgtc cgcggacgct tnggttggtg gccaggaaa ggtatatagt 120
aaaagtnta aaccatgtca actgaagtga gtgtaatctc agatatcaac attattatat 180
tttaaaatca cgctatggaa atatcacctg aattctgtca tttgtcagat ttacagtacc 240
tttttttctt taacttttag cattaaataa aaataaaatt gggagcactg aaaaaaaaaa 300
aaaaaaaaaa a 311

<210> 735
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<400> 735
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aagccgcagc gcggcctccc ggccagccag ccgccccgcc gcgccctctg cccaccgcgc 120
cgcgcaccca ccgcccctcg cagccgcccc agcccccgcc ccttcggggc agncggggct 180
catggctcag atggcgacca cggccgcagg ggtagccgng ggctcggctg tgggacacgt 240
catgggcagc gccctgaccg gagccttcag cggggggagc tcggagccct cccagcctgc 300
tgtccagnag gccnccaccc ccgctgnccc ncagcccctg canatggggc cctgcgccta 360
t 361

<210> 736
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
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<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

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<222> (265)
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<223> n equals a,t,g, or c

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<220>
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<222> (345)
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<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 736

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cctnaacatt tgacttcatt gtggncaata atggtctctg aattgattna gacattcaca 120
cagcttgaag aaaatctaaa agatgaanat gantcattga naancaccnn caaagtaaac 180
agaattnaag tttcagtccc ggatgcaaag ggaccctcag tgggggagat nccccanagt 240
gaactcatct tgtattttatc agctngcaaa ttcttggaca cagcagcttt cttttncacc 300
tgacaagatg ccattatttc aaatttatac gngggcattt attcnagaag tggacacata 360
gggccctgtc ttctgttnat gtanagga 388
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<210> 737

<211> 146

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<400> 737

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ggtaaatcaa agttttgggt ggaagtgttg anaagtatga gttttttgtt gtttttgttt 60
tacttaaaan ttttaattta tccagaatgg cagtancctt ancaagcaga tggtcacaat 120
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ctgnttttcta aancattttt tattaa

146

<210> 738

<211> 101

<212> DNA

<213> Homo sapiens

<220>

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<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

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<222> (99)

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<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<400> 738

ggtgagagnc tcattttctat gcacagtgtt tctgaggagg atgganctag atagctgtct 60

gttgctcntgt agcccaagct tgataatgga actatccang n 101

<210> 739

<211> 542

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

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<222> (15)
<223> n equals a,t,g, or c

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<220>
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<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
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<222> (485)
<223> n equals a,t,g, or c

<220>
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<222> (494)
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<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<400> 739
tanggtctcn agggnccttct acnggaaacn ctactatat tgaaagctgg taccctgca 60
ggtaccgggc cggaattccc gggctaaata tgaaaataag tcatttgaaa aaaatacagt 120
atgtaaaatt tgttcattcg ttgaggtaat ggtgctatgt ttttacaaaa ttgttcctac 180
accttttttc tacttcaggt attttatttc aaccatttcc atcaattgaa ctgttaccat 240
tgcccttttc tgttgagaaa ttgcctctga aaaatagtcg tatttttcag cttaagtgtt 300
cttaagtga tgaaatttcc aaagtactag atcaccttaa aattatttca cgtactgaag 360
acaattaagt ccgttatgtt tagagtagaa aatgtttagg ttaaagagca tctgtcaaca 420
gaatctacaa aaaagattcc cttgcatttg aattaagntc tctattctcc tattgctaaa 480
tgtgngatat atanagagga tgtataaaag gaaatggaaa tagactatgn acttggtgg 540
nt 542

<210> 740
<211> 184
<212> DNA
<213> Homo sapiens

<220>
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<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
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<222> (24)
<223> n equals a,t,g, or c

<220>
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<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<400> 740
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gacccaacgc tccgtcnngc tccgtgcgg cgcccaact gctgatngag ctgctgggcc 120
tnagcgtctt gctgcagnga gatccaggga agctggcaca tcttgaagg nccgncctgc 180
tcgg 184

<210> 741
<211> 231
<212> DNA
<213> Homo sapiens

<220>
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<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<400> 741
gcccacgcnt ccgggccaga cgagcagagg acggcatcgg cctggacttg cctctttatc 60
cagccccacc ccaggacttc catgaagtag aggacttgat aaagactgcc ataggcaaca 120
cactggtcca ggacatctga tattctccag atacccaaaa gctcctngtn cgnctnagtg 180
acgattacaa caggacgttt ctggagaacc tgaaagtga caccngagaa t 231

<210> 742
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 742
gctagttcta gatcgcgagc ggccgccctt tttttttttt tttttttttt tttttttttt 60
ttttcnttta tacttttgtt tatttttctt gnttatnaaa acngccaaca attgcnttt 119

<210> 743
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (264)
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<220>
<221> misc feature
<222> (338)
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<220>

<221> misc feature
<222> (366)
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<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (563)

<223> n equals a,t,g, or c

<400> 743

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ttctcccttc ctttaattaa tggaatcttc tgaattttcc ctgaatgttt aaagatcatg 120
acatatgact tgatcttctg ggagcaggaa caatgactac tttttctggt gtgttaacat 180
gtcgttagcc agtgctccag gcacccagct ttgtctgtgg gttagtattg gtgtatgtat 240
gagtatctgt atgtatatat acanggtatt tatagagaga gactatcctg gagaagcctc 300
gttttgatgc cattcttctt tgcaaggtta agcaaggngg gtggaaacta agacacctga 360
acctncang gccttccgca tcaangtcag catgangaca gaccacagag ctgcactttt 420
gctccgaagc tacttttcac tgncccggtc aatctgantg ctgccacaac cagtcagggc 480
cgtcacagag agggagagnt gagaaagaag tcttntcttt tattgagttc caagactacn 540
accaattaca ctggcttttg annccgtgat cctgatccaa 580
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<210> 744

<211> 225

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (217)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<400> 744

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cgaacaagac atgaaaagag nggtgacaaa tcaagaataa acactgggtg tagtcagttt 60
tgtttggtga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaggggggn ccngttnaan gggnc 225
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<210> 745

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

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<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 745
nagctggtac gcctgcaggt accggtccgg aattcccggy tcgacccang cgtecntnaa 60
antaaagggg ctacagaaac actcattttt atgctgttcc ctcttgggct tcatgcaaag 120
acaattctgt gtaaatgtac agttgactct gatttggaaa tatgaaaatc agtcnaccct 180
tggtataaaa aattttttta caattgtaat tatattgatg ttcattattgt gtaaaataac 240
tcatttaata aaatagtact ttgatattacg acaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaanaaaa naaaaaaaaa aggnangn 338

<210> 746
<211> 160
<212> DNA
<213> Homo sapiens

<400> 746
ggtttcagtt gagccctgga actcctaaac ctttgcccct ggggcttcca tcccaaccag 60
tgccaaggac ctccctcttc cccttccaaa taataaagtc tatggacagg gctgtctctg 120
aagtactaac acaaggaaaa aaaaaaaaaa aaaaaaaaaa 160

<210> 747
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<400> 747
ggaaaaaatg cattgtcaac ggaatctttt atgtttgttt gtcttccttt aagcaacatt 60
gccttacttg ttataaaaga taaataaata ttgttcatt tcaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaangg 180
gcggccgttt taaaggancc aagnttacgt acncgtgn 218

<210> 748
<211> 265
<212> DNA
<213> Homo sapiens

<220>
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<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
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<220>
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<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
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<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
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<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<400> 748
gctgttactt angaaaatgg aacacaanaa aagtaaagaa naaagaatga cnnacacatt 60
taagatctga ttggacncgn angataatcc tgagaattgc taatanntca ctgggtttgg 120
nccttantgt tgacttcagt atgctgagan ggngaccanc ncgcctagag ctaangcttg 180
atgacnttga agagtttgag aacatttnaa aggacctgga gacccgtaag aaacagaagg 240
aagatgtgga agttgtanga ggcaa 265

<210> 749
<211> 156
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<400> 749
gtctgaaagg aggaattttc attttccttt aaagtgaaaa ggtaaaaact gcatttacta 60
aaccaggccg gtgggggctc tgtgagcccc tntgcacagg aagcctnaga gactctgcat 120
ggtgttcccc gngcatcctg gccaanngtg gagaaan 156

<210> 750
<211> 174
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<400> 750
ggtcatgcac tcctacactt aaagaataaa ctatgttcta actgccacaa aaaaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaata aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaangggng gccnntttaa agna 174

<210> 751
<211> 74
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 751
ccagtcctca cccatggcat gccccctgcg atcaggccat tnnnctcctc gtggtcattc 60
tccacangta ctcc 74

<210> 752
<211> 210
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<400> 752
gctctaagtc acgggaactg cccttgctac ttgtgacctg ccctttactc agcagttttt 60
gttctgggaa gccctgggat tctgtanta cctatcactg taggtgctga agggaaacag 120
atgaaaacat gacctcaagg agcttctgta atganaaacc aagctgcgct ggaaagattt 180
aaaggacctg aactgtcttg actctttgat 210

<210> 753

<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<400> 753
ggtagtgtag atttttaaga acagttgtag cccttctgat tattgcagta gctgtagaag 60
tatgtaagaa tatgtgatgg gtgtagtcat tagcaaagca tttaaatcac ttgagtattt 120
tgatcatggtt cattattatt aaagcacaaa ataacctatt gttagaaaat atgtgttttt 180
ataaatgaat gtaaaataat taaatgaatt gtgaaatgga tgtttaagaa aatataggct 240
taaaaagtaa atctataaaa tgatgtctta aaacagccat atcatgaaaa attctactta 300
gctatattan tnn 313

<210> 754
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
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<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
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<222> (96)
<223> n equals a,t,g, or c

<220>
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<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
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<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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ataccnangg ttctgggtcc anctggaatc catgaanaan ctgantgacc tggaggcaca 180
ntgggcaccc agcccccnc c tggaaagccn naancttctg gccgccgtgt gccaccaccc 240
tgctctgnet ctgagatagc cctgggtacc ctgagccac canggacacc tcgcccttna 300
gccaccaccc ctggcaggct ttcacccccg tccatgctca agannngtcc ctggncacca 360
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cctggtgata gctgggtgct caagatagaa tcttagttca actttaaat tgcccacaga 180
accctctaaa tccccttgta aatttaactg ttagtccaaa gaggaacagc tctttggaca 240
ctaggaaaaa accttgtaga gagagtataa aatttaacac ccatagtagg cctaaaagca 300
gccaccaatt aagaaagcgt tcaagctcaa caccactac ctaaaaaatc ccaaacatat 360
aactgaacte ctcacacca attggacca tctatcacc tatagaagaa ctaatgttag 420
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acctccatga tgcttctcac tgtgtatggg gggtagctct gcagtgtccg agtctaccac 180
tatttccagt ggcgaggcgc ccagcgccag gccgcagaag aacagaagac cttaggaatc 240
atgtagaact ggggggcttt ttctcctgag cagagaggcc caaggcatgc tgtggagaga 300
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ttggaagaaa gtgcccattg ttctctctgt tctgccagtt tgacaagttt atggaggctt 420
ttgaatcgta atagcaatgt gagggtagg gacaccctac agacattaaa taatttgctg 480
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ctcttcaaga ggcattctctg gtcttgtagac gagacctctt caaaaaccca cagtaaaact 180
ccccccctc cagttggcca ccagtctgcc accaaacatg aacaaattct gctgctaatac 240
ggtttccctt gtgatctggt tcctgaggtc ttcggatctg tgcaatgaat tatttattgt 300
tttattaaac cgacagtggg gtcccagaga ggaaccataa ataaaatgga aatctggtgc 360
tgtgataaag taataactag cattaatgag acctgggttt cctttcagaa aggnacagtat 420
acctgtaaca aaggntaaag caatttatat ttaatttgca ttctgatggt aacatttaaa 480
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atanaagtgt ncagctgcgt acagtctntc naccagcaan tgtnaacgaa cctgtgcctn 180
taanaagcna ttctaaacca cctatgagta tttcttttan ggctcactta aatacatgtn 240
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gntctcttct taaaagcacc atattaaatc ctggaaaact aaaaaaaaaa naaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa atgnaaa 207

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cgcccgcgtc cctttctcca taaaattctt cttagtagct attaccttct tattatttga 180
tctagaaatt gccctccttt tacccttacc atgagcccta caaacaacta acctgccact 240
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cgtccctttc tccataaaat tcttcttagt agctattacc ttcttattat ttgatctaga 180
aattgccctc cttttacccc taccatgagc cctacaaaca actaacctgc cactaatagt 240
tatgtcatcc ctcttattaa tcatcatcct agccctaagt ctggcctatg agtgactaca 300
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cccgccgcg tccctttctc cataaaattc ttcttagtan ctattacett cttattattt 180
gatctaaaaa ttgccctcct ttaccacctt ccatgagccc tacaacaac taacctgcc 240
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actacnaaaa ggattanact gaaccgaata aaaaaaaaaa aaaaaaaaaa atcccanggg 360
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ccccgcccgc gtccctttct ccataaaatt cttcttagta gctattacct tcttattatt 180
tgatctagaa attgccctcc ttttaccct accatgagcc ctacaaacaa ctaacctgcc 240
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cttggttttta tttctgatct aacacccctt ttaaatggat caagccaaga cagaatgttt 180
gtgacaacgg tgcttgagat tgaacaactt ttggcaagg taggtgtttt aaaggactct 240
atttaagtaa tgggtttcct ttaactgaac tttttagttc tgatctaaca ccccttttaa 300
atggatctgc caagacagaa tgtttttgac aatggtgatt gatactgaac agcttttggg 360
caagcgtaa gtgcttcctg cttaatggnt attttgcnaa ttaatgtgt ctccttaaat 420
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tcaaatcac tgcaccatta ataaacaaaa ggaaaganta ttcagagaga agaatttttag 360
gatattcaat gcaggaaatg tatgatgtag tategggagt ggaggattac aagcattttg 420
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<400> 769
ggcacgagag cgcttgggga tggatgccct ggttgctgaa gaggaggcgg aagccaaggg 60
gaatgaagtg aggccagtg gccgggtcct cttgagttcc gcagcactta gacttacgtg 120
caccctttca tcaggtncag gcccagttg tcaacccttc cagaacattt tcccatggat 180
tttgcggtat ttgacttttc aagattcaag agtcttaata atccngttgg gcaatttttg 240
gnaaanttg acccagtc aa ngtttttaaa attccntccc caaggccttc cagccttggg 300
gggttccaag gttttccga agggcccant cntaccagct ccttttttta aanggcgnat 360
anccagttga gcatatgact attgtttccc aattaccag 399

<210> 770
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<400> 770
gtccacncgt ccgccacgc gtccgcccac gcgtccggcg gagttgcagc gcctgggtggc 60

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cgccgagcag cagaaggcgc agtttactgc acaggccacg tgcccgtaga aaagatactc 120
atccactgtg ggttttggtt tcgccgtcac cccactgcct cactggattg tgaggatcat 180
atgcgacaat gtatttgaaa acgactagaa cattatcgga ggaagggtga ctctgaagta 240
gtcgtgtag actatggatg tagaacaagg gtttgagacc cttcggacat ggttctaacg 300
cggcctgact tcttgctggc tacatgacct tggactacat aatcacgcct cttaaatggg 360
aggtgatgac agctatcctt gaggacctta gagagaactg atttcttagt acccagcctc 420
acaaatagtg catcacttca tggagttatg ttgggataaa tgtgtggaga agccaggga 480
tcgcctagac tctcgactg aaaattgtct ctccagctgt gtagaccgnt tcattgacac 540
cactcttgcc atnaccagc cggtttgccc canattgnnc ca 582
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<210> 771

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<400> 771

gtggaggaat tgcanaagct ggaagtggc atatgaacta cattcaagta acacctcagg 60
aaaaanaagc tatagaaagg ttaaaggcat taggatttcc tgaaggactt gtgatacaag 120
cgtattttgc ttgtgaaaaa aatgagaatt tggctgcca ttttcttcta cagcagaact 180
ttgatgaaga ttgaaaggga cttttttata tctcacactt cacaccagtg cattacacta 240
acttggtcac tggattgtct gggatgactt gggctcatat ccacaatact tggataaagg 300
taataaattg ttgggggtgg ggaagggaagg atctaggata caggcaggat aatacatgca 360
ttctctccat tacaatccgc actccacant gtgtnaatat tacaccaaact cactttgcag 420
tcttattctc tntaaacnta gtacttccn gt 452

<210> 772

<211> 631

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (552)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (559)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (610)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (611)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (614)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (631)
<223> n equals a,t,g, or c

<400> 772
ggagggacta accccccagg agatctgcga caagtaccac atcatccaga gccttgggtct 60
ctgttgctgt accataactca tctgtccac acagatagag ggtgtccac tggcggaggg 120
actaaccccc caggagatct gcgacaagta ccacatcatc catgctgaca tctaccgctg 180
gtttaacatt tcgtttgata tttttggtcg caccaccact ccacagcaga ccaaaatcac 240
ccaggacatt ttccagcagt tgctgaaacg aagttttgtg ctgcaagata ctgtgganca 300
actgcgatgt gagcactgtg ctgccttccg ggctgaccgc ttctgtggaa ggcgtgtgtc 360
ccttctgttg ctatgaagan gctcggggtg accagtgtga caagtgtggc aagctcatca 420
atgctgtcga gcttaagaag cctcagtgtt nagtctgccg atcatgccct gtggtgcagt 480
cgagccagca cctgtttctg gaactgccta agctggagaa gcgactggag gaatggttgg 540
ggaggacatt gnetggcant gatggacacc aatgccccagt ttatcaccgg ttcttggctt 600
ccggatggcn ncancacct gcttaaccga n 631

<210> 773
<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (589)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (595)
<223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (596)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (631)
 <223> n equals a,t,g, or c

<400> 773
 ngtggatttta cttgtcgaca aaaggcacatct cttaattggc acatgaagaa acatgatgca 60
 gactccttct accagttttc ttgcaatata tgtggcaaaa aatttgagaa gaaggacagc 120
 gtagtggcac acaaggcaaa aagccaccct gaggtgctga ttgcagaagc tctggctgcc 180
 aatgcaggcg cctcatcac cagcacagat atcttgggca ctaaccacaga gtccctgacg 240
 cagccttcag atggtcaggg tcttcctctt cttcctgagc ccttgggaaa ctcaacctct 300
 ggagagtgcc tactgttaga agctgaaggg atgtcaaagt catactgcag tgggacggaa 360
 cggtgtgagcc tgatggctga tgggaagatc tttgtgggaa gcggcagcag tggaggcact 420
 gaagggtcgg ttatgaactc agatatactc ggtgctacca cagaggttct gattgaagat 480
 tcagactctg ccggacctta ntggacagga agacttgggg catgggacag ctcagacttt 540
 gtatttataaa gttaaaaagg acaataaaaa aaaaaaaggg gcnggccgnt tctannagga 600
 tccaagcttt acgtaccccg ttgcaatgcc n 631

<210> 774
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 774
 Gln Asp Glu Leu Glu Glu Ser Glu Met Ser Glu Lys Lys Ser Cys
 1 5 10 15
 Ser Ser Ser Pro Thr Gln Ser Glu Ile Ser Thr Ser Leu Pro Pro Asp
 20 25 30
 Arg Gln Arg Arg Lys Arg Glu Leu Arg Thr Phe Ser Phe Ser Asp Asp
 35 40 45
 Glu Asn Lys Pro Pro Ser Pro Lys Glu Ile Arg Ile Glu Val Ala Glu
 50 55 60

Gly Phe Thr Trp Xaa Ser Asn Pro Leu Lys Trp Ser Val Ala Asp Val
 65 70 75 80
 Val Arg Phe Ile Arg Ser Thr Asp Cys Ala Ser Ile Ser Lys Asn Ile
 85 90 95
 Pro Xaa Pro Gly Asn
 100

<210> 775
 <211> 97
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <400> 775
 Ala Ala Arg Ala Ala Arg Glu Ala Leu Leu Gly Trp Gly Thr Asp Cys
 1 5 10 15
 Pro Pro Phe Leu Met Cys Val Val Ser Leu Cys Cys Gly Ile Asp Met
 20 25 30
 Asp Ala Arg Thr Thr Leu Glu Thr Gly Val Ala Ser Arg Ala His Arg
 35 40 45
 Xaa Arg Glu Glu Gly Ala Ile Thr Gly Cys Gln Pro Leu Pro Gly Leu
 50 55 60
 Gly Ala Leu Ser His Gly Pro Ala Pro Ser Trp Val Phe Ile Leu Tyr
 65 70 75 80
 Leu Leu Gly Asp Arg Arg Arg Gly Ile Leu Pro Gly Trp Asp Lys Pro
 85 90 95
 Leu

<210> 776
 <211> 146
 <212> PRT
 <213> Homo sapiens
 <220>

<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 776
Phe Gly Arg Glu Ser Cys Ser Val Arg Thr Gln Arg Glu Pro Trp Lys

1 5 10 15
Pro Gln Arg Ile Xaa Xaa Pro Pro Ala Thr Leu Ala Pro Arg Tyr Tyr
20 25 30
Arg Arg Asn Cys Val Asp Ala Phe Pro Asp Thr Leu Ser Leu Ser Pro
35 40 45
Gly Glu Arg Ala Thr Leu Ser Cys Arg Thr Ser Gln Ser Val Gly Ser
50 55 60
Asn Phe Leu Thr Trp Tyr Glu Gln Lys Ser Gly Gln Xaa Pro Arg Leu
65 70 75 80
Leu Met Phe Gly Asn Ser Arg Xaa Pro Leu Ala Ser Gln Thr Gly Ser
85 90 95
Val Ala Val Gly Leu Gly Gln Xaa Ser Leu Ser Pro Ser Ala Asp Trp
100 105 110
Arg Leu Lys Ile Leu Gln Cys Ile Xaa Val Gln Gln Xaa Xaa Phe Arg
115 120 125
Ser Thr Met Phe Gln Phe Trp Ala Arg Gly Pro Xaa Leu Glu Xaa Lys
130 135 140
Asp Cys
145

<210> 777

<211> 201

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (186)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (187)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 777

Arg Ser Gly Ser Gly Ser Lys Ile Lys Ser Arg Xaa Leu Gly Val Pro
1 5 10 15

Arg Arg Ser Gln Xaa Ser Glu Gly Cys Pro Ala Thr Pro Ala Gly Ala
20 25 30

Pro Pro Gly Gln Gly His Thr Thr Gly Ser Val Lys Pro Leu Xaa Arg
35 40 45

Ser Asp Ala Met Glu Leu Asp Leu Ser Pro Pro His Leu Ser Ser Ser
50 55 60

Pro Glu Asp Leu Cys Pro Ala Pro Gly Thr Pro Pro Gly Thr Pro Arg
65 70 75 80

Pro Pro Asp Thr Pro Leu Pro Glu Glu Val Lys Arg Ser Gln Pro Leu
85 90 95

Leu Ile Pro Thr Thr Gly Arg Lys Leu Arg Glu Glu Glu Arg Arg Ala
100 105 110

Thr Ser Leu Pro Ser Ile Pro Asn Pro Phe Pro Glu Leu Cys Ser Pro
115 120 125

Pro Ser Gln Ser Pro Ile Leu Gly Gly Pro Ser Ser Ala Arg Gly Leu
130 135 140

Leu Pro Ala Asn Ala Ser Arg Pro His Val Val Lys Val Tyr Ser Glu
145 150 155 160

Asp Gly Ala Cys Ser Leu Trp Arg Trp Gln Gln Val Pro Gln Xaa Ala
165 170 175

Thr Cys Val Lys Cys Trp Cys Thr Ser Xaa Xaa Leu Ser Asp Glu Thr
180 185 190

Trp Gly Phe Val Glu Cys His Pro Asn
195 200

<210> 778

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 778

Asn Gln Cys Ser Gly Glu Arg His Leu Arg Val Thr Gln Gly Leu Gly
1 5 10 15

Thr Gly Ala Phe Leu Gly Gly Leu Arg Pro Val Leu Gln Pro Arg Gln
20 25 30

Gly Gln Asp Phe Arg Lys Tyr Glu Glu Gly Phe Asp Pro Tyr Ser Met
35 40 45

Phe Thr Pro Glu Gln Ile Met Gly Lys Asp Val Arg Leu Leu Arg Ile
50 55 60

Lys Lys Glu Gly Ser Leu Asp Leu Ala Leu Glu Gly Gly Val Asp Ser
65 70 75 80

Xaa Ile Gly Lys Val Val Val Ser Ala Val Tyr Glu Arg Gly Ala Ala
85 90 95

Glu Arg His Gly Gly Ile Val Lys Gly Asp Glu Ile Met Ala Ile Asn
100 105 110

Gly Lys Ile Val Thr Asp Tyr Thr
115 120

<210> 779

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 779

His Gln Glu Glu Leu Arg Leu Leu Gly Arg Lys Ala Arg Arg Asn Thr
1 5 10 15

Arg Leu Arg Asp Glu Phe Ser Thr Glu Ala Ala Lys Leu Trp Thr Leu
20 25 30

Ala Arg Pro Phe Cys Pro Pro Leu Leu Ala Thr Leu Leu Gln Met Gln
35 40 45

Met Val Val Leu Pro Cys Leu Gly Phe Thr Leu Leu Leu Trp Ser Gln
 50 55 60

Val Ser Gly Ala Gln Gly Gln Glu Phe His Phe Gly Pro Cys Gln Val
 65 70 75 80

Lys Gly Val Val Pro Gln Lys Xaa Trp Glu Xaa Phe Trp Xaa Val Lys
 85 90 95

Asp Xaa Met Gln Xaa Gln Xaa Asn Ile Xaa Xaa Xaa Arg Leu Leu
 100 105 110

<210> 780
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 780
 Ile Arg His Glu Phe Asn Thr Lys Cys Pro Ser Gly Ser Cys Val Met
 1 5 10 15

Asn Gln Tyr Leu Ser Ser Lys Phe Pro Lys Asp Phe Ser Thr Ser Cys
 20 25 30

Arg Ala His Phe Glu Arg Tyr Leu Leu Ser Gln Lys Pro Lys Cys Leu
 35 40 45

Leu Gln Ala Pro Ile Pro Thr Asn Ile Met Thr Thr Pro Val Cys Gly
 50 55 60

Asn His Leu Leu Glu Val Gly Glu Asp Cys Asp Cys Gly Ser Pro Lys
 65 70 75 80

Glu Cys Thr Asn Leu Cys Cys Glu Ala Leu Thr Cys Lys Leu Lys Pro
 85 90 95

Gly Thr Asp Cys Gly Gly Asp Ala Pro Asn His Thr Thr Glu
 100 105 110

<210> 781
 <211> 124
 <212> PRT
 <213> Homo sapiens

<400> 781
 Gly Gln Pro Ala Arg Val Trp Ser Leu Asp Thr Met Gly Thr Arg Leu

1 5 10 15
 Leu Pro Ala Leu Phe Leu Val Leu Leu Val Leu Gly Phe Ala Pro Arg
 20 25 30
 Ala Leu Leu Thr His Ser Pro Pro Ala Glu Val Gln Gly Thr Gln Gln
 35 40 45
 Pro Gln Gln Asp Glu Met Pro Ser Pro Thr Phe Leu Thr Gln Val Lys
 50 55 60
 Glu Ser Leu Ser Ser Tyr Trp Glu Ser Ala Lys Thr Ala Ala Gln Asn
 65 70 75 80
 Leu Tyr Glu Lys Thr Tyr Leu Pro Ala Val Asp Glu Lys Leu Arg Asp
 85 90 95
 Leu Tyr Ser Lys Ser Thr Ala Ala Met Ser Thr Tyr Thr Gly Ile Phe
 100 105 110
 Thr Asp Gln Val Leu Ser Val Leu Lys Gly Glu Glu
 115 120

<210> 782

<211> 86

<212> PRT

<213> Homo sapiens

<400> 782

Asn Arg Asp Val Ser Arg Asp Pro Gln Phe Trp Arg Leu Arg Ser Leu
 1 5 10 15
 Lys Ser Arg His Gln Gln Ile Pro His Leu Val Lys Ala His Ser Leu
 20 25 30
 Leu His Arg Trp His Cys Leu Ala Val Phe Ser His Gly Arg Arg Gly
 35 40 45
 Lys Gln Ala Pro Leu Gly Leu Phe Tyr Lys Gly Thr Asn Ser Met Pro
 50 55 60
 Lys Gly Arg Ala Leu Met Thr Leu Ser Pro Thr Lys Arg Leu His Phe
 65 70 75 80
 Phe Ile Leu Leu Glu Gly
 85

<210> 783
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 783
Gly Gln Ser Pro Asp Ala Gly Phe Leu Val Phe Pro Ala Gly Ile Lys
1 5 10 15
Gln Lys Gly Leu Leu Leu Ser Ser Ser Leu Met His Ser Glu Ser Glu
20 25 30
Leu Asp Ser Asp Asp Ala Ile Phe Thr Trp Pro Asp Arg Glu Lys Gly
35 40 45
Lys Leu Leu Ala Trp Ser Glu Trp Leu Cys Thr Gln Arg Ala Asp Pro
50 55 60
Ser Xaa Arg Pro Gly Ala Arg Gly Xaa Arg Ser Cys Ser His Leu Val
65 70 75 80
Cys Leu Leu Arg Ala Xaa Pro Gly Thr Ile Ala Arg Pro Val Leu Leu
85 90 95
Thr Xaa Arg Val Leu Arg
100

<210> 784
<211> 44

<212> PRT

<213> Homo sapiens

<400> 784

Ile Tyr Ile Thr Gly Tyr Val Asn Ile Phe Lys Tyr Trp Gly Asn Cys
1 5 10 15

Phe Thr Val Leu Glu Pro Ser Lys Ile His Leu Cys Phe Val Phe Met
20 25 30

Phe Ile Cys Leu Leu Lys Ala Arg Val Glu Asp Lys
35 40

<210> 785

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 785

Ala Gly Ile Thr Pro Leu His Ser Ser Leu Gly Asp Lys Ser Glu Ser
1 5 10 15

Val Ser His Gln Lys Lys Lys Glu Lys Glu Arg Cys Leu Thr Lys Val
20 25 30

Thr Ile Ser His Lys Phe Xaa Thr Thr Tyr Pro Ser Ser Phe Lys
35 40 45

<210> 786

<211> 301

<212> PRT

<213> Homo sapiens

<400> 786

Leu Arg Val Phe Leu Cys Val Phe Phe Tyr Phe Ala Trp Leu Phe Glu
1 5 10 15

His Tyr Trp Thr Leu Val Leu Glu Gly Lys Thr Phe Gln Leu Tyr Ser
20 25 30

His Asn Leu Ile Ala Leu Phe Glu His Ala Lys Lys Pro Gly Leu Ala
35 40 45

Ala His Ile Gln Thr His Arg Phe Pro Asp Arg Ile Leu Pro Arg Lys
 50 55 60
 Phe Ala Leu Thr Thr Lys Ile Pro Asp Thr Lys Gly Cys His Lys Cys
 65 70 75 80
 Cys Ile Val Arg Asn Pro Tyr Thr Gly His Lys Tyr Leu Cys Gly Ala
 85 90 95
 Leu Gln Ser Gly Ile Val Leu Leu Gln Trp Tyr Glu Pro Met Gln Lys
 100 105 110
 Phe Met Leu Ile Lys His Phe Asp Phe Pro Leu Pro Ser Pro Leu Asn
 115 120 125
 Val Phe Glu Met Leu Val Ile Pro Glu Gln Glu Tyr Pro Met Val Cys
 130 135 140
 Val Ala Ile Ser Lys Gly Thr Glu Ser Asn Gln Val Val Gln Phe Glu
 145 150 155 160
 Thr Ile Asn Leu Asn Ser Ala Ser Ser Trp Phe Thr Glu Ile Gly Ala
 165 170 175
 Gly Ser Gln Gln Leu Asp Ser Ile His Val Thr Gln Leu Glu Arg Asp
 180 185 190
 Thr Val Leu Val Cys Leu Asp Lys Phe Val Lys Ile Val Asn Leu Gln
 195 200 205
 Gly Lys Leu Lys Ser Ser Lys Lys Leu Ala Ser Glu Leu Ser Phe Asp
 210 215 220
 Phe Arg Ile Glu Ser Val Val Cys Leu Gln Asp Ser Val Leu Ala Phe
 225 230 235 240
 Trp Lys His Gly Met Gln Gly Lys Ser Phe Lys Ser Asp Glu Val Thr
 245 250 255
 Gln Glu Ile Ser Asp Glu Thr Arg Val Phe Arg Leu Leu Gly Ser Asp
 260 265 270
 Arg Val Val Val Leu Glu Ser Arg Pro Thr Glu Asn Pro Thr Ala His
 275 280 285
 Ser Asn Leu Tyr Ile Leu Ala Gly His Glu Asn Ser Tyr
 290 295 300

<210> 787
<211> 141
<212> PRT
<213> Homo sapiens

<400> 787

Asn Lys Phe Gln Gly Phe Ser Leu Pro Leu Val Arg Lys Phe Ala His
1 5 10 15
Ser Ile Leu Gln Cys Leu Asp Ala Leu His Lys Asn Arg Ile Ile His
20 25 30
Cys Asp Leu Lys Pro Glu Asn Ile Leu Leu Lys Gln Gln Gly Arg Ser
35 40 45
Gly Ile Lys Val Ile Asp Phe Gly Ser Ser Cys Tyr Glu His Gln Arg
50 55 60
Val Tyr Thr Tyr Ile Gln Ser Arg Phe Tyr Arg Ala Pro Glu Val Ile
65 70 75 80
Leu Gly Ala Arg Tyr Gly Met Pro Ile Asp Met Trp Ser Leu Gly Cys
85 90 95
Ile Leu Ala Glu Leu Leu Thr Gly Tyr Pro Leu Leu Pro Gly Glu Asp
100 105 110
Glu Gly Asp Gln Leu Ala Cys Met Ile Glu Leu Leu Gly Met Pro His
115 120 125
Arg Asn Cys Trp Met His Pro Asn Glu Pro Lys Ile Leu
130 135 140

<210> 788
<211> 75
<212> PRT
<213> Homo sapiens

<400> 788

Glu Lys Arg Ser Ser Ser Phe Glu Ala Arg Gly Leu Ile Trp Arg Ser
1 5 10 15
Lys Thr Leu His Val His Phe Gln Thr Trp Ser Gly Thr Tyr Ile Val
20 25 30
Asn Tyr Asn Gln Ser Trp Glu Leu His Lys Asp Asn Glu Ala Gln Leu
35 40 45
Lys Pro Ser Phe Ser Leu Pro Tyr Leu Tyr Pro Ser Leu Arg Thr Ala

50

55

60

Val Gln Glu Asn Gln Ala Val Cys Gly Leu Leu
 65 70 75

<210> 789

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 789

Met Gly Trp Ala Lys His Cys Cys Arg Phe Ile Leu Leu Pro Thr Gln
 1 5 10 15

Leu Leu His Asn Lys Ala Leu Leu Ser Leu Lys Lys Lys Lys Lys Lys
 20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 35 40 45

Lys Lys Lys Asn Xaa Gly Gly Gly Pro Pro Pro
 50 55

<210> 790

<211> 111

<212> PRT

<213> Homo sapiens

<400> 790

Asp Glu Lys Gly Thr Val Pro Gln Arg Tyr Thr Phe Gly Thr Ser Ile
 1 5 10 15

Met Lys Ala Ser Leu Ala Trp Gln Val Glu Tyr Arg Gln Phe Trp Ile
 20 25 30

Phe Asn Ala Trp His Gly Ala Gly Val Lys Tyr Leu Ala Arg Ala Cys
 35 40 45

Leu Pro Tyr Asn Gly Arg Glu Pro Gly Leu Trp Met Ile Arg Tyr Gln
 50 55 60

Thr Leu Leu Leu Leu Ser Val Phe Phe Cys Gly Lys Gly Arg Arg Ile

65 70 75 80

Glu Trp Arg Gly Ile Ser Gly Ser Leu Gly Glu Val Gln Asn Lys Glu
 85 90 95

Thr Val Lys Ser Ser Thr Ser Lys Leu Gly Leu His Gln Asp Ser
 100 105 110

<210> 791
<211> 245
<212> PRT
<213> Homo sapiens

<400> 791

Glu Tyr Leu Thr Ser Ser Gly Gly Arg Arg Met Glu Tyr Ile Leu Thr
1 5 10 15

Asp Ile Arg Lys Gly His Met Cys Asn Ala Lys Leu Leu Arg Asn Met
 20 25 30

Pro Glu Phe Ser Gly Val Leu His Gln Cys His Ile Leu Ala Ser Glu
 35 40 45

Met Val His Phe Ile His Gln Met Gln Tyr Tyr Ile Thr Phe Glu Val
 50 55 60

Leu Glu Cys Ser Trp Asp Glu Leu Trp Asn Lys Val Gln Gln Ala Gln
65 70 75 80

Asp Leu Asp His Ile Ile Ala Ala His Glu Val Phe Leu Asp Thr Ile
 85 90 95

Ile Ser Arg Cys Leu Leu Asp Ser Asp Ser Arg Ala Leu Leu Asn Gln
 100 105 110

Leu Arg Ala Val Phe Asp Gln Ile Ile Glu Leu Gln Asn Ala Gln Asp
 115 120 125

Ala Ile Tyr Arg Ala Ala Leu Glu Glu Leu Gln Arg Arg Leu Gln Phe
 130 135 140

Glu Glu Lys Lys Lys Gln Arg Glu Ile Glu Gly Gln Trp Gly Val Thr
145 150 155 160

Ala Ala Glu Glu Glu Glu Asn Lys Arg Ile Gly Glu Phe Lys Glu
 165 170 175

Ser Ile Pro Lys Met Cys Ser Gln Leu Arg Ile Leu Thr His Phe Tyr
 180 185 190

Gln Gly Ile Val Gln Gln Phe Leu Val Leu Leu Thr Thr Ser Ser Asp
195 200 205
Glu Ser Leu Arg Phe Leu Ser Phe Arg Leu Asp Phe Asn Glu His Tyr
210 215 220
Lys Ala Arg Glu Pro Arg Leu Arg Cys Val Ser Gly Tyr Gln Gly Ala
225 230 235 240
Ala His Ser His Thr
245

<210> 792
<211> 108
<212> PRT
<213> Homo sapiens

<400> 792
Phe Trp Ala Tyr Thr Lys Lys Ser Arg Tyr Gly Lys Ile Tyr Cys Gln
1 5 10 15
Gly Ile Leu Glu Phe Pro Thr Arg Val Gly Glu Arg Cys Pro Asn Ser
20 25 30
Leu Arg Met Val Phe Met Met Val Pro Tyr Leu Ser Pro Gly Leu Phe
35 40 45
Ser Tyr Ser Val Pro Gln Lys Cys Cys Arg Gly Gln Asp Ser Thr Phe
50 55 60
Thr Ala Cys Ser Ile Tyr Glu Ile Phe Gln Met Leu Leu Val Val Asp
65 70 75 80
Ile Pro Asn Ser Trp Tyr Leu Ala Thr Arg Asp His Asp Gly Met Ser
85 90 95
Gly Trp Leu Phe Tyr Leu Pro Phe Pro Gln Asn Ser
100 105

<210> 793
<211> 128
<212> PRT
<213> Homo sapiens

<400> 793
Glu Ala Ala Asn Met Ile Leu Val Asp Asp Asp Phe Ser Ala Ile Met

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      1             5             10             15
Asn Ala Val Glu Gly Lys Gly Ile Phe Tyr Asn Ile Lys Asn Phe
      20             25             30
Val Arg Phe Gln Leu Ser Thr Ser Ile Ser Ala Leu Ser Leu Ile Thr
      35             40             45
Leu Ser Thr Val Phe Asn Leu Pro Ser Pro Leu Asn Ala Met Gln Ile
      50             55             60
Leu Trp Ile Asn Ile Ile Met Asp Gly Pro Pro Gly Arg Gly Glu Ala
      65             70             75             80
Gly Arg Leu Gly Ala Leu Cys Leu Phe Thr Tyr Leu Arg Gly Phe Leu
      85             90             95
Gln Gly Leu Leu Ala Val Pro Lys Ala Ile Gly Met Asn Lys Tyr Ser
      100            105            110
His Phe Pro Ser Gly Val Pro Arg Lys Leu Lys Cys Val Ala Leu Glu
      115            120            125

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<210> 794

<211> 262

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 794

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Ser Ser Val Pro Gly Gly Tyr Pro Gly Thr Glu His Ser His Arg Cys
  1             5             10             15
Arg Arg Phe Tyr Gln Leu Ala Leu Gly Trp Thr Thr Leu Ala Lys Thr
      20             25             30
Ser Trp Leu Glu Asp Xaa Ser Pro Asp Leu Val Pro Arg Gly Ser Gln
      35             40             45
Leu Ala Gly Gly Val Ile Leu Gly Val Ala Leu Trp Leu Arg His Asp
      50             55             60

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Pro Gln Thr Thr Asn Leu Leu Tyr Leu Glu Leu Gly Asp Lys Pro Ala
65 70 75 80

Pro Asn Thr Phe Tyr Val Gly Ile Tyr Ile Leu Ile Ala Val Gly Ala
 85 90 95

Val Met Met Phe Val Gly Phe Leu Gly Cys Tyr Gly Ala Ile Gln Glu
 100 105 110

Ser Gln Cys Leu Leu Gly Thr Phe Phe Thr Cys Leu Val Ile Leu Phe
 115 120 125

Ala Cys Glu Val Ala Ala Gly Ile Trp Gly Phe Val Asn Lys Asp Gln
130 135 140

Ile Ala Lys Asp Val Lys Gln Phe Tyr Asp Gln Ala Leu Gln Gln Ala
145 150 155 160

Val Val Asp Asp Asp Ala Asn Asn Ala Lys Ala Val Val Lys Thr Phe
 165 170 175

His Glu Thr Leu Asp Cys Cys Gly Ser Ser Thr Leu Thr Ala Leu Thr
 180 185 190

Thr Ser Val Leu Lys Asn Asn Leu Cys Pro Ser Gly Ser Asn Ile Ile
 195 200 205

Ser Asn Leu Phe Lys Glu Asp Cys His Gln Lys Ile Asp Asp Leu Phe
210 215 220

Ser Gly Lys Leu Tyr Leu Ile Gly Ile Ala Ala Ile Val Val Ala Val
225 230 235 240

Ile Met Ile Phe Glu Met Ile Leu Ser Met Val Leu Cys Cys Gly Ile
 245 250 255

Arg Asn Ser Ser Val Tyr
 260

<210> 795

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 795

Ser Gln Leu Leu Gly Arg Leu Arg Gln Glu Asn Gly Val Asn Pro Gly
1 5 10 15

Gly Gly Ala Cys Ser Glu Pro Arg Ser Cys His Cys Thr Pro Ala Trp
20 25 30

Ala Thr Glu Arg Asp Phe Arg Leu Lys Lys Lys Xaa Xaa
35 40 45

<210> 796

<211> 178

<212> PRT

<213> Homo sapiens

<400> 796

Phe Arg Ala Leu His Arg Gly Ala Ala Leu Asp Leu Ser Pro Leu His
1 5 10 15

Arg Ser Pro His Pro Ser Arg Gln Ala Ile Phe Cys Trp Met Ser Phe
20 25 30

Ser Ala Tyr Gln Thr Ala Phe Ile Cys Leu Gly Leu Leu Val Gln Gln
35 40 45

Ile Ile Phe Phe Leu Gly Thr Thr Ala Leu Ala Phe Leu Val Leu Met
50 55 60

Pro Val Leu His Gly Arg Asn Leu Leu Leu Phe Arg Ser Leu Glu Ser
65 70 75 80

Ser Trp Pro Phe Trp Leu Thr Leu Ala Leu Ala Val Ile Leu Gln Asn
85 90 95

Met Ala Ala His Trp Val Phe Leu Glu Thr His Asp Gly His Pro Gln
100 105 110

Leu Thr Asn Arg Arg Val Leu Tyr Ala Ala Thr Phe Leu Leu Phe Pro
115 120 125

Leu Asn Val Leu Val Gly Ala Met Val Ala Thr Trp Arg Val Leu Leu
130 135 140

Ser Ala Leu Tyr Asn Ala Ile His Leu Gly Gln Met Asp Leu Ser Leu

Arg Asn Phe Arg Arg Gly Glu Ser Ile Tyr Trp Gly Pro Thr Ala Asp
 165 170 175

Ser Gln Asp Thr Val Ala Ala Val Leu Lys Arg Arg Leu Leu Gln Pro
 180 185 190

Ser Arg Arg Val Lys Arg Ser Arg Arg Arg Pro Leu Leu Pro Pro Thr
 195 200 205

Pro Asp Ser Gly Pro Glu Gly Glu Ser Ser Glu
 210 215

<210> 798

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 798

Tyr Gln Leu Lys Pro Tyr Thr Xaa His Leu Ile Lys Asp Leu His Phe
 1 5 10 15

Phe Leu Arg Val Leu Ile Gln Leu Tyr His Arg Ile Pro His Lys Leu
 20 25 30

His Ile Ile Pro Leu Trp Asp Arg Asp Pro Ser Thr Ser Leu Leu Glu
 35 40 45

Gln Gly His Ile Val His Tyr Leu Ser Gln Val Leu Ile Ser Ser Pro
 50 55 60

Lys Asp Gln Thr Val Phe Gln His Leu Leu Leu Gln Gly Ser Val Leu
 65 70 75 80

Ile Leu Ala Leu Trp Pro Cys His Met Gly Phe Lys Asp Leu Ser Arg
 85 90 95

His Leu Gln Cys Leu Asp Arg Phe Gln Phe Thr Glu His Arg Cys His
 100 105 110

Gln His Phe Lys Thr Ile Thr Met Gly Gln Gly Gly Ile Lys Met Asp
 115 120 125

Ser Lys Asn Ile Phe Leu Asn Val Leu
 130 135

<210> 799
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 799
Cys Phe Gly Ala Gly Gln Ser Val Ala Gly Arg Gly His Met Pro Lys
1 5 10 15
Ser His His Glu Leu Pro Gly Ala Ser Arg Gln Gly Pro Ser Ile Pro
20 25 30
His Gln Val Phe Gln His Asp Val Pro Asp Gly Arg Gln Leu Gly Leu
35 40 45
Xaa Ala Glu Ile Lys Ala Gly Lys Ser Leu Lys Pro Thr Pro Gln Ser
50 55 60
Lys Gly Leu Thr Thr Val Phe Ser Gly Ile Gly Gln Pro Ala Phe Gln
65 70 75 80
Val Gly Gly Pro Ser Arg Ser Leu Arg Pro Gly Phe Pro Gly Pro Arg
85 90 95
Pro Pro Gly Ala Gln Pro His Arg Phe Ser Leu Gln Pro Asp Ser Pro
100 105 110
Leu Pro Ser Val Ser Pro Ala
115

<210> 800
<211> 148
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 800

Gly Ser Thr His Ala Ser Gly Trp Ser Cys Val Tyr Lys Asn Asp Gln
 1 5 10 15
 Ala Ala Lys Asp Asn Pro Thr Lys Ser Leu Gln Glu Glu Glu Pro Cys
 20 25 30
 Pro Arg Phe Ala His Gln Leu Val Tyr Asp Glu Leu His Lys Val His
 35 40 45
 Tyr Leu Phe Gly Gly Asn Pro Gly Lys Ser Cys Ser Pro Lys Met Arg
 50 55 60
 Leu Asp Asp Phe Trp Ser Leu Lys Leu Cys Arg Pro Ser Lys Asp Tyr
 65 70 75 80
 Leu Leu Arg His Cys Lys Tyr Leu Ile Arg Lys His Xaa Phe Glu Glu
 85 90 95
 Lys Ala Gln Val Asp Pro Leu Ser Ala Leu Lys Tyr Leu Gln Asn Asp
 100 105 110
 Leu Tyr Ile Thr Val Asp His Ser Asp Pro Glu Glu Thr Lys Glu Phe
 115 120 125
 Gln Leu Leu Ala Ser Ala Leu Phe Lys Ser Gly Ser Arg Phe Tyr Ser
 130 135 140
 Ser Gly Leu Phe
 145

<210> 801

<211> 214

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 801

Ser His Ile Gln Gly Glu Gly Ser Cys Thr Leu Phe Arg Lys Tyr Asp
 1 5 10 15
 His Met Arg Ala Ala Ile Leu Glu Lys Met Pro Leu Val Glu Arg Asp
 20 25 30
 Gly Pro Gln Ala Asp Glu Glu Ala Lys Glu Ser Lys Glu Ala Ala Gln
 35 40 45

Leu Ser Glu Ala Ala Pro Val Pro Thr Glu Pro Gln Ala Ser Gln Leu
 50 55 60
 Leu Asp Leu Leu Asp Leu Leu Asp Gly Ala Ser Gly Asp Val Gln His
 65 70 75 80
 Pro Pro His Leu Asp Pro Ser Pro Gly Gly Ala Leu Val His Leu Leu
 85 90 95
 Asp Leu Pro Cys Val Pro Pro Pro Pro Ala Pro Ile Pro Asp Leu Lys
 100 105 110
 Val Phe Glu Arg Glu Gly Val Gln Leu Asn Leu Ser Phe Ile Arg Pro
 115 120 125
 Pro Glu Asn Pro Ala Leu Leu Leu Ile Thr Ile Thr Ala Thr Asn Phe
 130 135 140
 Ser Glu Gly Asp Val Thr His Phe Ile Cys Gln Ala Ala Val Pro Lys
 145 150 155 160
 Ser Leu Gln Leu Gln Leu Gln Ala Pro Ser Gly Asn Thr Val Pro Ala
 165 170 175
 Arg Gly Gly Leu Pro Ile Thr Gln Leu Phe Arg Ile Leu Asn Pro Asn
 180 185 190
 Lys Ala Pro Leu Arg Leu Lys Leu Arg Ser Leu Arg Pro Leu Ser Pro
 195 200 205
 Val Gly Ala Gly Asp Xaa
 210

<210> 802

<211> 51

<212> PRT

<213> Homo sapiens

<400> 802

Lys Phe Ala Asn Leu Lys Arg Gly Val Ser Glu Asp His Tyr Leu Leu
 1 5 10 15
 Arg Thr Leu Lys Asn Lys Cys Leu Gln Leu Cys Met Gly Thr Ile Leu
 20 25 30
 Tyr Ser Leu His Phe Tyr Gly Pro Thr Ala Thr Ser Tyr Pro Cys Lys
 35 40 45

Tyr Ile Asn
50

<210> 803
<211> 167
<212> PRT
<213> Homo sapiens

<400> 803
Ala Arg Leu Pro Gly Ser Gly Cys Cys Arg Pro Pro Val Ser Ala Arg
1 5 10 15
Val Ala Pro Gly His Gln Gly Ala Val Gly Gly Ser Gly Arg Arg Pro
20 25 30
Ala Arg Val Glu Val Val Asp Ala Ala Ala Arg Pro Ser Ser Arg Pro
35 40 45
Phe Ser Leu Pro Ala Ala Ile Met Leu Ala Leu Ile Ser Arg Leu Leu
50 55 60
Asp Trp Phe Arg Ser Leu Phe Trp Lys Glu Glu Met Glu Leu Thr Leu
65 70 75 80
Val Gly Leu Gln Tyr Ser Gly Lys Thr Thr Phe Val Asn Val Ile Ala
85 90 95
Ser Gly Gln Phe Ser Glu Asp Met Ile Pro Thr Val Gly Phe Asn Met
100 105 110
Arg Lys Val Thr Lys Gly Asn Val Thr Ile Lys Ile Trp Asp Ile Gly
115 120 125
Gly Gln Pro Arg Phe Arg Ser Met Trp Glu Arg Tyr Cys Arg Gly Val
130 135 140
Asn Ala Ile Val Tyr Met Ile Asp Ala Ala Asp Arg Glu Lys Ile Glu
145 150 155 160
Ala Ser Arg Asn Glu Leu Thr
165

<210> 804
<211> 361
<212> PRT
<213> Homo sapiens

<400> 804

Ala Arg Ser Arg Asp Gly Ala Pro Glu Arg Arg Glu Pro Gly Leu Gly
 1 5 10 15
 Val Leu Leu Arg Glu Glu Glu Trp Ser Arg Gly Asp Ala Ala Ala Ala
 20 25 30
 Leu Thr Met Ser Phe Leu Gly Gly Phe Phe Gly Pro Ile Cys Glu Ile
 35 40 45
 Asp Ile Val Leu Asn Asp Gly Glu Thr Arg Lys Met Ala Glu Met Lys
 50 55 60
 Thr Glu Asp Gly Lys Val Glu Lys His Tyr Leu Phe Tyr Asp Gly Glu
 65 70 75 80
 Ser Val Ser Gly Lys Val Asn Leu Ala Phe Lys Gln Pro Gly Lys Arg
 85 90 95
 Leu Glu His Gln Gly Ile Arg Ile Glu Phe Val Gly Gln Ile Glu Leu
 100 105 110
 Phe Asn Asp Lys Ser Asn Thr His Glu Phe Val Asn Leu Val Lys Glu
 115 120 125
 Leu Ala Leu Pro Gly Glu Leu Thr Gln Ser Arg Ser Tyr Asp Phe Glu
 130 135 140
 Phe Met Gln Val Glu Lys Pro Tyr Glu Ser Tyr Ile Gly Ala Asn Val
 145 150 155 160
 Arg Leu Arg Tyr Phe Leu Lys Val Thr Ile Val Arg Arg Leu Thr Asp
 165 170 175
 Leu Val Lys Glu Tyr Asp Leu Ile Val His Gln Leu Ala Thr Tyr Pro
 180 185 190
 Asp Val Asn Asn Ser Ile Lys Met Glu Val Gly Ile Glu Asp Cys Leu
 195 200 205
 His Ile Glu Phe Glu Tyr Asn Lys Ser Lys Tyr His Leu Lys Asp Val
 210 215 220
 Ile Val Gly Lys Ile Tyr Phe Leu Leu Val Arg Ile Lys Ile Gln His
 225 230 235 240
 Met Glu Leu Gln Leu Ile Lys Lys Glu Ile Thr Gly Ile Gly Pro Ser
 245 250 255
 Thr Thr Thr Glu Thr Glu Thr Ile Ala Lys Tyr Glu Ile Met Asp Gly
 260 265 270

Ala Pro Val Lys Gly Glu Ser Ile Pro Ile Arg Leu Phe Leu Ala Gly
 275 280 285

Tyr Asp Pro Thr Pro Thr Met Arg Asp Val Asn Lys Lys Phe Ser Val
 290 295 300

Arg Tyr Phe Leu Asn Leu Val Leu Val Asp Glu Glu Asp Arg Ser Ser
 305 310 315 320

Phe Lys Gln Gln Glu Ile Ile Leu Trp Arg Lys Ala Pro Glu Lys Leu
 325 330 335

Arg Lys Gln Arg Thr Asn Phe His Gln Arg Phe Glu Ser Pro Glu Ser
 340 345 350

Gln Ala Ser Ala Glu Gln Pro Glu Met
 355 360

<210> 805
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 805

Ala Ala Pro Pro Ala Leu Arg Thr Trp Pro Arg Lys Ala Glu Trp Pro
 1 5 10 15

Ala Gly Ala Pro Gln Gly Trp Arg Pro Arg Ser Leu Ser Val Thr His
 20 25 30

Ser Thr Thr Arg Cys Pro Leu Val Gly Val Arg Ala Glu Gly Leu Arg
 35 40 45

His Ala Thr Ala Pro Leu Glu Leu Gly Thr Thr Asp Trp Thr Gly Ser
 50 55 60

Leu His Ala Gln Pro Pro Glu Thr Gly Thr Pro Ser Leu Lys Gly Pro
 65 70 75 80

Arg Arg Gln Val Asp Lys Lys Val Glu Lys Gly Val
 85 90

<210> 806
 <211> 271
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 806

Xaa Gly Phe Pro Ala Pro Leu Pro Pro Thr Arg Met Met Glu Ser Lys
1 5 10 15

Met Ile Ala Ala Ile His Ser Ser Ser Ala Asp Ala Thr Ser Ser Ser
20 25 30

Asn Tyr His Ser Phe Val Thr Ala Ser Ser Thr Ser Val Asp Asp Ala
35 40 45

Leu Pro Leu Pro Leu Pro Val Pro Gln Pro Lys His Ala Ser Gln Lys
50 55 60

Thr Val Tyr Ser Ser Phe Ala Arg Pro Asp Val Thr Thr Glu Pro Phe
65 70 75 80

Gly Pro Asp Asn Cys Leu His Phe Asn Met Thr Pro Asn Cys Gln Tyr
85 90 95

Arg Pro Gln Ser Val Pro Pro His His Asn Lys Leu Glu Gln His Gln
100 105 110

Val Tyr Gly Ala Arg Ser Glu Pro Pro Ala Ser Met Gly Leu Arg Tyr
115 120 125

Asn Thr Tyr Val Ala Pro Gly Arg Asn Ala Ser Gly His His Ser Lys
130 135 140

Pro Cys Ser Arg Val Glu Tyr Val Ser Ser Leu Ser Ser Ser Val Arg
145 150 155 160

Asn Thr Cys Tyr Pro Glu Asp Ile Pro Pro Tyr Pro Thr Ile Arg Arg
165 170 175

Val Gln Ser Leu His Ala Pro Pro Ser Ser Met Ile Arg Ser Val Pro
180 185 190

Ile Ser Arg Thr Glu Val Pro Pro Asp Asp Glu Pro Ala Tyr Cys Pro
195 200 205

Arg Pro Leu Tyr Gln Tyr Lys Pro Tyr Gln Ser Ser Gln Ala Arg Ser
210 215 220

Asp Tyr His Val Thr Gln Leu Gln Pro Tyr Phe Glu Asn Gly Arg Val
225 230 235 240

His Tyr Arg Tyr Ser Pro Tyr Ser Ser Ser Ser Ser Tyr Tyr Ser
245 250 255

Pro Asp Gly Ala Leu Cys Asp Val Asp Ala Tyr Gly Gln Ser Ser
260 265 270

<210> 807

<211> 56

<212> PRT

<213> Homo sapiens

<400> 807

Asn Asn Thr Phe His Asn Gln Asn Phe Asn Ser Lys Tyr Lys Ile Lys
1 5 10 15

Phe Ile Leu Asn Asn Glu Asn Val Phe Val Leu Asn Leu Val Thr Arg
20 25 30

Glu His Arg Asn Lys Ile His Glu Thr Lys Val Ala Arg Asn Val Arg
35 40 45

Thr Gly Gly Asn Val Tyr Ile Ile
50 55

<210> 808

<211> 182

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 808

Val Cys Ala Xaa His Gly His Gly Arg Glu Leu Phe Gln Tyr Met Leu
1 5 10 15

Gln Lys Glu Arg Val Glu Pro His Gln Leu Ala Ile Asp Arg Pro Ser
20 25 30

Gln Lys Leu Leu Lys Phe Leu Asn Lys His Tyr Asn Leu Glu Thr Thr
 35 40 45
 Val Pro Gln Val Asn Asn Phe Val Ile Phe Glu Gly Phe Phe Ala His
 50 55 60
 Gln His Pro Pro Ala Arg Lys Leu Pro Pro Lys Arg Ala Glu Gly Asp
 65 70 75 80
 Ile Lys Pro Tyr Ser Ser Ser Asp Arg Glu Phe Leu Lys Val Ala Val
 85 90 95
 Glu Pro Pro Trp Pro Leu Asn Arg Ala Xaa Arg Arg Ala Thr Pro Pro
 100 105 110
 Ala His Pro Pro Pro Arg Ser Ser Ser Leu Gly Asn Ser Pro Glu Arg
 115 120 125
 Gly Pro Leu Arg Pro Phe Val Pro Glu Gln Glu Leu Leu Arg Ser Leu
 130 135 140
 Arg Leu Cys Pro Pro His Pro Thr Ala Arg Leu Leu Leu Ala Ala Asp
 145 150 155 160
 Pro Gly Gly Ser Pro Ala Gln Arg Arg Arg Thr Ser Ser Leu Pro Arg
 165 170 175
 Ser Glu Glu Ser Arg Tyr
 180

<210> 809

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 809

Pro Ala Gly Glu Ser Ser Pro Ala Pro Trp Leu Lys Gly Pro Gly Ala
 1 5 10 15
 His Leu Pro Glu Ala Arg Cys Gly Gly Gly Pro Arg Gly Arg Ser Gln
 20 25 30
 Ala Gln Ser Pro Gln Ser Ser Gly Pro Val Gly Gly Arg Gly Arg Ser
 35 40 45

Gly Ser Lys Ala Arg Thr Pro Gln Leu Phe Arg Leu Gln Gln Gln Leu
 50 55 60

Gln Arg Phe Gly His Gly Cys Xaa Val Pro Arg Cys Trp Leu Gln Ala
 65 70 75 80

Ala Arg Glu His Pro Gly Gln Gly Gln Glu Ala Gln Ser Glu Glu Glu
 85 90 95

Gly Glu Gly Gln Glu Gly Glu Gly Gln Glu Glu Gly Gly Ser Pro Leu
 100 105 110

Lys Gly Leu Asp Lys Ala His
 115

<210> 810

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 810

Asp Ala Gly Cys Gly Arg Pro Pro Glu Pro Ala Gly Gly Gly Gln Ala
 1 5 10 15

Ala Ala Ala Thr Glu Gly Gly Xaa Leu Ser Leu Gly Leu Gly Cys Arg
 20 25 30

Gln Leu Gly Leu Leu Pro Gly Pro Ala Tyr Thr Ala Pro Pro Val Gly
 35 40 45

Val Thr Val Gly Tyr Ser Gln Ala Gly Phe Leu Pro Cys Arg Thr Leu
 50 55 60

Ser Leu Pro Pro Ala Cys Ser Trp Arg Leu Leu Pro Arg Gly Arg Leu
 65 70 75 80

Phe Cys Leu Leu Lys Trp Val Cys Cys Thr Leu Thr Gly Gln Gly Gln
 85 90 95

Ser Leu Gly Ala Val Leu Trp Pro Arg Val Gly Thr Cys Leu Asp Gln
 100 105 110

Asn Glu Arg Thr Gly Ser Gln Thr Arg Leu Gly Val Leu Ile Leu Gly

115 120 125
Trp Thr Arg Leu Trp Ile Gln Arg Arg Gly Leu Val Ser Asn Lys Ser
130 135 140

<210> 811
<211> 154
<212> PRT
<213> Homo sapiens

<400> 811
His Glu Asp Asn Glu His Lys Arg Ser Leu Thr Lys Thr Pro Ala Arg
1 5 10 15
Lys Ser Ala His Val Thr Val Ser Gly Gly Thr Gln Lys Gly Glu Ala
20 25 30
Val Leu Gly Thr His Lys Leu Lys Thr Ile Thr Gly Asn Ser Ala Ala
35 40 45
Val Ile Thr Pro Phe Lys Leu Thr Thr Glu Ala Thr Gln Thr Pro Val
50 55 60
Ser Asn Lys Lys Pro Val Phe Asp Leu Lys Ala Ser Leu Ser Arg Pro
65 70 75 80
Leu Asn Tyr Glu Pro His Lys Gly Lys Leu Lys Pro Trp Gly Gln Ser
85 90 95
Lys Glu Asn Asn Tyr Leu Asn Gln His Val Asn Arg Ile Asn Phe Tyr
100 105 110
Lys Lys Thr Tyr Lys Gln Pro His Leu Gln Thr Lys Glu Glu Gln Arg
115 120 125
Lys Lys Arg Glu Gln Glu Arg Lys Glu Lys Lys Ala Lys Val Leu Gly
130 135 140
Met Arg Arg Gly Leu Ile Leu Ala Glu Asp
145 150

<210> 812
<211> 86
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 812

Asn Arg Ser Phe Phe Val Ser Pro Phe Lys Ser Thr Gly Phe Lys Arg
1 5 10 15

Gly Lys Cys Ile His Arg Pro Gln Cys Leu Ala Phe Ser Ser Ala Ser
20 25 30

Thr Trp Ser Thr Gly Leu Asp Ala Gln Thr Tyr Leu Gly Asn Tyr Phe
35 40 45

Gly Arg Cys Leu Ser Leu Tyr Arg Asn Cys Ser Trp Tyr Phe Ile Leu
50 55 60

Leu Tyr Ile Tyr Ser Thr Cys Pro Leu Val Phe Asn Tyr Xaa Gln Ser
65 70 75 80

Leu Phe Arg Ser Lys Asn
85

<210> 813

<211> 566

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (341)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 813

Arg Glu Leu Val Thr Asp Gly Gly Ala Ala Ser Pro Trp Arg Cys Asn
1 5 10 15

Trp Glu Gln Leu Leu Asn Pro Arg Pro Ser Glu Ala Asp Pro Glu Ala
20 25 30

Asp Pro Glu Glu Ala Thr Ala Ala Arg Val Ile Asp Arg Phe Asp Glu
35 40 45

Gly Glu Asp Gly Glu Gly Asp Phe Leu Val Val Gly Ser Ile Arg Lys
50 55 60

Leu Ala Ser Ala Ser Leu Leu Asp Thr Asp Lys Arg Tyr Cys Gly Lys
65 70 75 80

Thr Thr Ser Arg Lys Ala Trp Asn Glu Asp His Trp Glu Gln Thr Leu
85 90 95

Pro Gly Ser Ser Asp Glu Glu Ile Ser Asp Glu Glu Gly Ser Gly Asp
100 105 110

Glu Asp Ser Glu Gly Leu Gly Leu Glu Glu Tyr Asp Glu Asp Asp Leu
115 120 125

Gly Ala Ala Glu Glu Gln Glu Cys Gly Asp His Arg Glu Ser Lys Lys
130 135 140

Ser Arg Ser His Ser Ala Lys Thr Pro Gly Phe Ser Val Gln Ser Ile
145 150 155 160

Ser Asp Phe Glu Lys Phe Thr Lys Gly Met Asp Asp Leu Gly Ser Ser
165 170 175

Glu Glu Glu Glu Asp Glu Glu Ser Gly Met Glu Glu Gly Asp Asp Ala
180 185 190

Glu Asp Ser Gln Gly Glu Ser Glu Glu Asp Arg Ala Gly Asp Arg Asn
195 200 205

Ser Glu Asp Asp Gly Val Val Met Thr Phe Ser Ser Val Lys Val Ser
210 215 220

Glu Glu Val Glu Lys Gly Arg Ala Val Lys Asn Gln Ile Ala Leu Trp
225 230 235 240

Asp Gln Leu Leu Glu Gly Arg Ile Lys Leu Gln Lys Ala Leu Leu Thr
245 250 255

Thr Asn Gln Leu Pro Gln Pro Asp Val Phe Pro Leu Phe Lys Asp Lys
260 265 270

Gly Gly Pro Glu Phe Ser Ser Ala Leu Lys Asn Ser His Lys Ala Leu
275 280 285

Lys Ala Leu Leu Arg Ser Leu Val Gly Leu Gln Glu Glu Leu Leu Phe
290 295 300

Gln Tyr Pro Asp Thr Arg Tyr Leu Val Asp Gly Thr Lys Pro Asn Ala
305 310 315 320

Gly Ser Glu Glu Ile Ser Ser Glu Asp Asp Glu Leu Val Glu Glu Lys
325 330 335

Lys Gln Gln Arg Xaa Arg Val Pro Ala Lys Arg Lys Leu Glu Met Glu
340 345 350

Asp Tyr Pro Ser Phe Met Ala Lys Arg Phe Ala Asp Phe Thr Val Tyr
355 360 365

Arg Asn Arg Thr Leu Gln Lys Trp His Asp Lys Thr Lys Leu Ala Ser
370 375 380

Gly Lys Leu Gly Lys Gly Phe Gly Ala Phe Glu Arg Ser Ile Leu Thr
385 390 395 400

Gln Ile Asp His Ile Leu Met Asp Lys Glu Arg Leu Leu Arg Arg Thr
405 410 415

Gln Thr Lys Arg Ser Val Tyr Arg Val Leu Gly Lys Pro Glu Pro Ala
420 425 430

Ala Gln Pro Val Pro Glu Ser Leu Pro Gly Glu Pro Glu Ile Leu Pro
435 440 445

Gln Ala Pro Ala Asn Ala His Leu Lys Asp Leu Asp Glu Glu Ile Phe
450 455 460

Asp Asp Asp Asp Phe Tyr His Gln Leu Leu Arg Glu Leu Ile Glu Arg
465 470 475 480

Lys Thr Ser Ser Leu Asp Pro Asn Asp Gln Val Ala Met Gly Arg Gln
485 490 495

Trp Leu Ala Ile Gln Lys Leu Arg Ser Lys Ile His Lys Lys Val Asp
500 505 510

Arg Lys Ala Ser Lys Gly Arg Lys Leu Arg Phe His Val Leu Ser Lys
515 520 525

Leu Leu Ser Phe Met Ala Pro Ile Asp His Thr Thr Met Asn Asp Asp
530 535 540

Ala Arg Thr Glu Leu Tyr Arg Ser Leu Phe Gly Gln Leu His Pro Pro
545 550 555 560

Asp Glu Gly His Gly Asp
565

<210> 814

<211> 66

<212> PRT

<213> Homo sapiens

<400> 814

Ala Tyr Thr Thr Met Thr Glu Asn Lys Arg Leu Phe Phe Glu Thr Pro
1 5 10 15

Ser Gln Lys Gln Asn Lys Thr Lys Lys Leu Asp Lys Cys Tyr Ile Asn
20 25 30

Val Trp Val Val Arg Phe Tyr Phe Glu Ser Glu Val Cys Arg Tyr Ala
35 40 45

Tyr Arg Phe Leu Glu Phe Thr Thr Phe Leu Phe Cys Ile Ile Asn Val
50 55 60

Ile Phe
65

<210> 815

<211> 79

<212> PRT

<213> Homo sapiens

<400> 815

Glu Lys Glu Val Trp Arg Arg Lys Pro Arg Leu Glu Asn Ile Met Phe
1 5 10 15

Trp Leu Glu Ile Arg Thr Arg Asp Gly Lys Tyr Gln Cys Val Gln Met
20 25 30

Tyr Phe Thr Glu Phe Glu Gly Thr His Asn Gln Glu Gly Lys Gln Phe
35 40 45

Val Leu His Trp Thr Tyr Tyr Leu Asp Leu Gly Glu Gln Gln Asn Gly
50 55 60

Met Trp Ser Val Arg Ser Ile Leu Phe Val Leu Leu Ser Leu Met
65 70 75

<210> 816

<211> 227

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 816

Ala Cys His Glu Lys Val Val Asn Ile Gln Lys Asp Pro Gly Glu Ser
1 5 10 15

Leu Gly Met Thr Val Ala Gly Gly Ala Ser His Arg Xaa Trp Asp Leu
20 25 30

Pro Ile Tyr Val Ile Ser Val Glu Pro Gly Gly Val Ile Ser Arg Asp
35 40 45

Gly Arg Ile Lys Thr Gly Asp Ile Leu Leu Asn Val Asp Gly Val Glu
50 55 60

Leu Thr Glu Val Ser Arg Ser Glu Ala Val Ala Leu Leu Lys Arg Thr
65 70 75 80

Ser Ser Ser Ile Val Leu Lys Ala Leu Glu Val Lys Glu Tyr Glu Pro
85 90 95

Gln Glu Xaa Cys Ser Ser Pro Ala Ala Leu Asp Ser Asn His Asn Met
100 105 110

Ala Pro Pro Ser Asp Trp Ser Pro Ser Trp Val Met Trp Leu Glu Leu
115 120 125

Pro Arg Cys Leu Tyr Asn Cys Lys Asp Ile Val Leu Arg Arg Asn Thr
130 135 140

Ala Gly Ser Leu Gly Phe Cys Ile Val Gly Gly Tyr Glu Glu Tyr Asn
145 150 155 160

Gly Asn Lys Pro Phe Phe Ile Lys Ser Ile Val Glu Gly Thr Pro Ala
165 170 175

Tyr Asn Asp Gly Arg Ile Arg Cys Gly Asp Ile Leu Leu Ala Val Asn
180 185 190

Gly Arg Ser Thr Ser Gly Met Ile His Ala Cys Leu Ala Arg Leu Leu
195 200 205

Lys Glu Leu Lys Gly Arg Ile Thr Leu Thr Ile Val Ser Trp Pro Gly
210 215 220

Thr Phe Leu
225

<210> 817
<211> 200
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 817
Pro Arg Val Arg Gly His Gln Gly Leu Leu Ala Pro Leu Gly Pro Gln
1 5 10 15
Pro Leu Leu Gly His Pro Met Pro Gly Ser Pro Ser Met Glu Thr His
20 25 30
Cys Cys Pro Thr Pro Ser Leu Arg Pro Thr Thr Thr Gly Pro Arg Xaa
35 40 45
Pro Thr Gly Pro Pro Gly Xaa Pro Gly Pro Met Gly Pro Pro Gly Pro
50 55 60
Pro Gly Pro Thr Gly Val Pro Gly Ser Pro Gly His Ile Gly Pro Pro
65 70 75 80
Gly Pro Thr Gly Pro Lys Gly Ile Ser Gly His Pro Gly Glu Lys Gly
85 90 95
Glu Arg Gly Leu Arg Gly Glu Pro Gly Pro Gln Gly Ser Ala Gly Ala
100 105 110
Ala Gly Gly Thr Gly Pro Lys Gly Asp Pro Gly Glu Lys Ser His Trp
115 120 125
Ala Pro Ser Leu Gln Ser Phe Leu Gln Gln Gln Ala Gln Leu Glu Leu
130 135 140

Leu Ala Arg Arg Val Xaa Leu Leu Glu Ala Ile Ile Trp Pro Glu Pro
145 150 155 160

Glu Leu Gly Ser Gly Ala Gly Pro Ala Gly Thr Gly Thr Pro Ser Leu
165 170 175

Leu Arg Gly Lys Arg Gly Gly His Ala Thr Asn Tyr Arg Ile Val Ala
180 185 190

Pro Arg Ser Arg Asp Glu Arg Gly
195 200

<210> 818

<211> 85

<212> PRT

<213> Homo sapiens

<400> 818

Glu Lys Leu Asp Glu Tyr Ile Tyr Arg His Phe Phe Gly His Thr Phe
1 5 10 15

Ser Pro Pro Tyr Gly Pro Ser Arg Pro Asp Lys Lys Gln Arg Met Val
20 25 30

Asn Ile Glu Asn Ser Arg His Arg Lys Gln Glu Gln Lys His Leu Gln
35 40 45

Pro Gln Pro Tyr Lys Arg Glu Gly Lys Trp His Lys Tyr Gly Arg Thr
50 55 60

Asn Gly Arg Gln Met Ala Asn Leu Glu Ile Glu Leu Gly Gln Leu Pro
65 70 75 80

Phe Asp Pro Gln Tyr
85

<210> 819

<211> 67

<212> PRT

<213> Homo sapiens

<400> 819

Leu Gln Ser Gly Phe Ile Arg Tyr Cys Pro Ala Arg Lys Phe Pro Phe
1 5 10 15

Cys Val Trp Leu Glu Gln Pro Ala Gly Thr Glu Trp Ile Leu Glu Glu
20 25 30

Gly Val Thr Thr Gly Pro Pro Arg Lys Pro Arg Ala Asp Ile Tyr Asn
35 40 45

Leu Arg Ser Pro Asp Glu Phe Ile Val Gly Gln Asn Gln Ala Leu Ile
50 55 60

Glu Pro Gly
65

<210> 820

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 820

Leu Thr Gly Ser Glu Leu Met Cys Arg Val Pro Ser Pro Lys Val Asn
1 5 10 15

Leu Glu Pro Leu Asp Asn Thr Asn Lys Asn Ile Tyr Phe Thr Ser Val
20 25 30

Ile Tyr Leu Glu Asn Xaa Leu Ser Ile Leu His Ile Phe Leu Ile Lys
35 40 45

Ser Thr Gly Asp His Cys Glu Val Xaa Ile Leu Xaa
50 55 60

<210> 821

<211> 259

<212> PRT

<213> Homo sapiens

<400> 821

Leu Ser Leu Ser Leu Leu Ser Pro Gln Leu Asp Tyr His Arg Gly Leu
1 5 10 15

Leu Val Asp Arg Pro Ser Glu Thr Lys Thr Glu Glu Gln Gly Ile Pro
20 25 30

Arg Pro Leu His Pro Pro Pro Pro Pro Val Gln Pro Pro Gln His
35 40 45

Pro Arg Ala Glu Gln Arg Glu Gln Glu Arg Ala Val Arg Glu Gln Trp
50 55 60

Ala Glu Arg Glu Arg Glu Met Glu Arg Arg Glu Arg Thr Arg Ser Glu
65 70 75 80

Arg Glu Trp Asp Arg Asp Lys Val Arg Glu Gly Pro Arg Ser Arg Ser
85 90 95

Arg Ser Arg Asp Arg Arg Arg Lys Glu Arg Ala Lys Ser Lys Glu Lys
100 105 110

Lys Ser Glu Lys Lys Glu Lys Ala Gln Glu Glu Pro Pro Ala Lys Leu
115 120 125

Leu Asp Asp Leu Phe Arg Lys Thr Lys Ala Ala Pro Cys Ile Tyr Trp
130 135 140

Leu Pro Leu Thr Asp Ser Gln Ile Val Gln Lys Glu Ala Glu Arg Ala
145 150 155 160

Glu Arg Ala Lys Glu Arg Glu Lys Arg Arg Lys Glu Gln Glu Glu Glu
165 170 175

Glu Gln Lys Glu Arg Glu Lys Glu Ala Glu Arg Glu Arg Asn Arg Gln
180 185 190

Leu Glu Arg Glu Lys Arg Arg Glu His Ser Arg Glu Arg Asp Arg Glu
195 200 205

Arg Glu Arg Glu Arg Glu Arg Asp Arg Gly Asp Arg Asp Arg Asp Arg
210 215 220

Glu Arg Asp Arg Glu Arg Gly Arg Glu Arg Asp Arg Arg Asp Thr Lys
225 230 235 240

Arg His Ser Arg Ser Arg Ser Arg Ser Thr Pro Val Arg Asp Arg Gly
245 250 255

Gly Arg Arg

<210> 822
<211> 59
<212> PRT
<213> Homo sapiens

<400> 822
Ile Asn Pro Ala Leu Leu Arg Lys Gly Asn Leu Phe Arg Gln Ser Gly
1 5 10 15
Lys Gly Val Leu Arg Lys Leu Ser Phe Phe Ile Pro Ser Phe Leu Pro
20 25 30
Thr Thr Val Thr Gly Tyr Arg Gly Leu Trp Thr Leu Lys Thr Asn Val
35 40 45
Trp Pro Leu Thr Gly Leu Ile Cys Ile Phe Leu
50 55

<210> 823
<211> 175
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 823
Ser Trp Lys Thr Gly Glu Asp Lys Ser Met Ser Ser Leu Pro Gly Cys
1 5 10 15
Ile Gly Leu Asp Ala Ala Thr Ala Thr Val Glu Ser Glu Glu Ile Ala
20 25 30
Glu Leu Gln Gln Ala Val Val Glu Glu Leu Gly Ile Ser Met Glu Glu
35 40 45
Leu Arg His Phe Ile Asp Glu Glu Leu Glu Lys Met Asp Cys Val Gln
50 55 60

Gln Arg Lys Lys Gln Leu Ala Glu Leu Glu Thr Trp Val Ile Gln Lys
 65 70 75 80

Glu Ser Glu Val Ala His Val Asp Gln Leu Phe Asp Asp Ala Ser Arg
 85 90 95

Ala Val Thr Asn Cys Glu Ser Leu Val Lys Asp Phe Tyr Ser Lys Leu
 100 105 110

Gly Leu Gln Tyr Arg Asp Ser Ser Ser Glu Asp Glu Ser Ser Arg Xaa
 115 120 125

Thr Glu Ile Ile Xaa Ile Pro Asp Glu Asp Asp Asp Val Leu Ser Ile
 130 135 140

Asp Ser Gly Asp Ala Gly Ser Arg Thr Pro Lys Asp Gln Lys Leu Arg
 145 150 155 160

Glu Ala Met Ala Ala Leu Arg Lys Ser Ala Gln Asp Val Gln Lys
 165 170 175

<210> 824

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 824

His Lys Leu Asn Pro Met Tyr Leu Lys Leu Leu Gln Ser Phe Pro Leu
 1 5 10 15

Tyr Phe Lys Gln Gln Lys Ser Gly Gly His Ile Val Val Leu Ser Phe
 20 25 30

Lys Leu Cys Xaa Lys Phe Asn His Tyr Phe Asp Ala Leu Asn Ile Leu
 35 40 45

Met Cys Asn Ile Cys Phe Cys Ile Lys Asn Thr His Ile Phe Gln Glu
 50 55 60

Lys Glu Ile Met Leu Asn Ser Pro Val Leu Arg Lys Ile Phe Met Lys
 65 70 75 80

His Leu Asn Leu Lys Ile Lys Ser Lys Leu

85

90

<210> 825

<211> 156

<212> PRT

<213> Homo sapiens

<400> 825

Ser Arg Arg Lys Met Ala Val Leu Ser Lys Glu Tyr Gly Phe Val Leu
1 5 10 15

Leu Thr Gly Ala Ala Ser Phe Ile Met Val Ala His Leu Ala Ile Asn
20 25 30

Val Ser Lys Ala Arg Lys Lys Tyr Lys Val Glu Tyr Pro Ile Met Tyr
35 40 45

Ser Thr Asp Pro Glu Asn Gly His Ile Phe Asn Cys Ile Gln Arg Ala
50 55 60

His Gln Asn Thr Leu Glu Val Tyr Pro Pro Phe Leu Phe Phe Leu Ala
65 70 75 80

Val Gly Gly Val Tyr His Pro Arg Ile Ala Ser Gly Leu Gly Leu Ala
85 90 95

Trp Ile Val Gly Arg Val Leu Tyr Ala Tyr Gly Tyr Tyr Thr Gly Glu
100 105 110

Pro Ser Lys Arg Ser Arg Gly Ala Leu Gly Ser Ile Ala Leu Leu Gly
115 120 125

Leu Val Gly Thr Thr Val Cys Ser Ala Phe Gln His Leu Gly Trp Val
130 135 140

Lys Ser Gly Leu Gly Ser Gly Pro Lys Cys Cys His
145 150 155

<210> 826

<211> 259

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 826

Ser Leu Thr Ser Tyr His Asn Gln Thr Phe Cys Ala Cys Ala Ile Val
 1 5 10 15

Ala Ala Ile Xaa Ser Phe Gly Trp Asn Thr Val Lys Ile Asp Met Ser
 20 25 30

Ala Ala Arg Arg Asp Pro Leu Pro Ile Val Pro Phe Gly Leu Ala Ala
 35 40 45

Phe Ala Thr Thr Leu Phe Ala Leu Gly Leu Ala Leu Gly Thr Thr Ile
 50 55 60

Ala Val Gly Met Leu Phe Phe Ile Gln Met Lys Ile Ile Leu Arg Asn
 65 70 75 80

Lys Thr Ser Ile Glu Ser Trp Ile Glu Glu Lys Ala Lys Asp Arg Ile
 85 90 95

Gln Tyr Tyr Gln Leu Asp Glu Val Phe Val Phe Pro Tyr Asp Met Gly
 100 105 110

Ser Arg Trp Arg Asn Phe Lys Gln Val Phe Thr Trp Ser Gly Val Pro
 115 120 125

Glu Gly Asp Gly Leu Glu Trp Pro Val Arg Glu Gly Cys His Gln Tyr
 130 135 140

Ser Leu Thr Ile Glu Gln Leu Lys Gln Lys Ala Asp Lys Arg Val Arg
 145 150 155 160

Ser Val Arg Tyr Lys Val Ile Glu Asp Tyr Ser Gly Ala Cys Cys Pro
 165 170 175

Leu Asn Lys Gly Ile Lys Thr Phe Phe Thr Ser Pro Cys Thr Glu Glu
 180 185 190

Pro Arg Ile Gln Leu Gln Lys Gly Glu Phe Ile Leu Ala Thr Arg Gly
 195 200 205

Leu Arg Tyr Trp Leu Tyr Gly Asp Lys Ile Leu Asp Asp Ser Phe Ile
 210 215 220

Glu Gly Val Ser Arg Ile Arg Gly Trp Phe Pro Arg Lys Cys Val Glu
 225 230 235 240

Lys Cys Pro Cys Asp Ala Glu Thr Asp Gln Ala Pro Glu Gly Glu Lys
 245 250 255

Lys Asn Arg

<210> 827
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 827
Glu Pro Trp Xaa Leu Leu Lys Ser Leu Leu Cys Arg Arg Ser Pro Ser
1 5 10 15
Arg Thr Xaa Lys Gln Glu Glu Asp Arg Ala Thr Xaa Glu Ala Lys Asn
20 25 30
Gly Glu Lys Ala Arg Arg Xaa Ser Xaa Glu Val Asp Gly Gln His Pro
35 40 45
Ala Gln Glu Glu Val Pro Glu Ser Pro Gln Thr Ser Gly Pro Glu Gln
50 55 60

Lys Ile Gly Val Gly Ala Pro Gly Arg Lys Ser Gln Leu Glu Arg Lys
 65 70 75 80

Gln Xaa Trp Lys Arg Leu Gln Arg
 85

<210> 828

<211> 206

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 828

Leu Pro Gly Val Phe Lys Met Ala Ala Ser Met His Gly Xaa Pro Ser
 1 5 10 15

Pro Ser Leu Glu Asp Ala Lys Leu Arg Arg Pro Met Val Ile Glu Ile
 20 25 30

Ile Glu Lys Asn Phe Asp Tyr Leu Arg Lys Glu Met Thr Gln Asn Ile
 35 40 45

Tyr Gln Met Ala Thr Phe Gly Thr Thr Ala Gly Phe Ser Gly Ile Phe
 50 55 60

Ser Asn Phe Leu Phe Arg Arg Cys Phe Lys Val Lys His Asp Ala Leu
 65 70 75 80

Lys Thr Tyr Ala Ser Leu Ala Thr Leu Pro Phe Leu Ser Thr Val Val
 85 90 95

Thr Asp Lys Leu Phe Val Ile Asp Ala Leu Tyr Ser Asp Asn Ile Ser
 100 105 110

Lys Glu Asn Cys Val Phe Arg Ser Ser Leu Ile Gly Ile Val Cys Gly
 115 120 125

Val Phe Tyr Pro Ser Ser Leu Ala Phe Thr Lys Asn Gly Arg Leu Ala
 130 135 140

Thr Lys Tyr His Thr Val Pro Leu Pro Pro Lys Gly Arg Val Leu Ile
 145 150 155 160

His Trp Met Thr Leu Cys Gln Thr Gln Met Lys Leu Met Ala Ile Pro

165 170 175
Leu Val Phe Gln Ile Met Phe Gly Ile Leu Asn Gly Leu Tyr His Tyr
180 185 190

Ala Val Phe Glu Glu Thr Leu Glu Lys Thr Ile His Glu Glu
195 200 205

<210> 829
<211> 78
<212> PRT
<213> Homo sapiens

<400> 829
Tyr Asn Ile Trp Phe Val Asn Ser Glu Thr Leu Pro Val Cys Leu Leu
1 5 10 15

Leu Ser Ile Glu Leu Val Phe Ser Phe Ser Trp Leu Ser Ser Cys Leu
20 25 30

Leu Ile Leu Ser His Met Leu Pro Ser Leu Leu Val Pro Ser Ser Leu
35 40 45

Leu Tyr Phe Thr Arg Phe Gly Thr Cys Ser Pro Leu Asp Phe Phe Phe
50 55 60

Asn Ile Leu Ala Phe Pro Arg Cys Lys Ser Leu Pro Pro Cys
65 70 75

<210> 830
<211> 101
<212> PRT
<213> Homo sapiens

<400> 830
Arg Phe Gly Arg Arg Thr Gly Arg Arg Trp Arg Arg Thr Thr Gly Gly
1 5 10 15

Ala Glu Gly Val Arg Gly Gly Asp Gly Arg Arg Gly Gly Pro Gly Pro
20 25 30

Leu Leu Ser Arg Val Gly Arg Leu Gly Leu Ala Asp Arg Ala Arg Ala
35 40 45

Phe Tyr Glu Asp Gly Gly Asp Glu Asp Ile Val Thr Ile Ser Gln Ala
50 55 60

Thr Pro Ser Ser Val Ser Arg Gly Thr Ala Pro Ser Asp Asn Arg Val
65 70 75 80

Thr Ser Phe Arg Asp Leu Ile His Asp Gln Asp Glu Asp Glu Glu Glu
85 90 95

Glu Glu Gly Gln Arg
100

<210> 831

<211> 155

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 831

Arg Cys Ser Ser Ile Phe Thr Pro Trp Lys Leu Thr Thr Leu Ser Ser
1 5 10 15

Phe Leu His His His Pro Gly Ala Gln Arg Ser Lys Leu Leu Ser Ile
20 25 30

Phe Ser Pro Ser Pro Arg Thr Leu Thr Leu Tyr Arg Met Gly Pro Ser
35 40 45

Ser Cys Leu Leu Leu Ile Leu Ile Pro Leu Leu Gln Leu Ile Asn Xaa
50 55 60

Gly Ser Thr Gln Cys Ser Leu Asp Ser Val Met Asp Lys Lys Ile Lys
65 70 75 80

Asp Val Leu Asn Ser Leu Glu Tyr Ser Pro Ser Pro Ile Ser Lys Lys
85 90 95

Leu Ser Cys Ala Ser Val Lys Ser Gln Gly Arg Pro Ser Ser Cys Pro
100 105 110

Ala Gly Met Ala Val Thr Gly Cys Ala Cys Gly Tyr Gly Cys Gly Ser
115 120 125

Trp Asp Val Gln Leu Glu Thr Thr Cys His Cys Gln Cys Ser Val Val
130 135 140

Asp Trp Thr Thr Ala Arg Cys Cys His Leu Thr
145 150 155

<210> 832
<211> 238
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (221)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 832

Tyr His Leu Tyr Phe Lys Met Gly Asp Pro Asn Ser Arg Lys Lys Gln
1 5 10 15
Ala Leu Asn Arg Leu Arg Ala Gln Leu Arg Lys Lys Lys Glu Ser Leu
20 25 30
Ala Asp Gln Phe Asp Phe Lys Met Tyr Ile Ala Phe Val Phe Lys Glu
35 40 45
Lys Lys Lys Lys Ser Ala Leu Phe Glu Val Ser Glu Val Ile Pro Val
50 55 60
Met Thr Asn Asn Tyr Glu Glu Asn Ile Leu Lys Gly Val Arg Asp Ser
65 70 75 80
Ser Tyr Ser Leu Glu Ser Ser Leu Glu Leu Leu Gln Lys Asp Val Val
85 90 95
Gln Leu His Ala Pro Arg Tyr Gln Ser Met Arg Arg Asp Val Ile Gly
100 105 110
Cys Thr Gln Glu Met Asp Phe Ile Leu Trp Pro Arg Asn Asp Ile Glu
115 120 125
Lys Ile Val Cys Leu Leu Phe Ser Arg Trp Lys Glu Ser Asp Glu Pro
130 135 140
Phe Arg Pro Val Gln Ala Lys Phe Glu Phe His His Gly Asp Tyr Glu
145 150 155 160
Lys Gln Phe Leu His Val Leu Ser Arg Lys Asp Lys Thr Gly Ile Val
165 170 175
Val Asn Asn Pro Asn Gln Ser Val Phe Leu Phe Ile Asp Arg Gln His
180 185 190
Leu Gln Thr Pro Lys Asn Lys Ala Thr Ile Phe Lys Leu Cys Ser Ile

195 200 205

Cys Leu Tyr Leu Pro Gln Glu Gln Leu Thr His Trp Xaa Ser Trp His
210 215 220

His Arg Gly Ser Pro Pro Ser Leu Tyr Ala Arg Val Glu Tyr
225 230 235

<210> 833
<211> 146
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 833
Asn Ser Ala Arg Ala Gln Met Ala Leu Glu Asp Gln Ala Ala Thr Leu
1 5 10 15
Glu Tyr Lys Thr Ile Lys Glu His Leu Ser Ser Lys Ser Pro Asn His
20 25 30
Gly Val Asn Leu Val Glu Asn Leu Asp Ser Leu Xaa Pro Lys Val Pro
35 40 45
Gln Arg Glu Ala Ser Leu Gly Pro Pro Gly Ala Ser Leu Ser Gln Thr
50 55 60
Gly Leu Ser Lys Arg Leu Glu Met His His Ser Ser Ser Tyr Gly Val
65 70 75 80
Asp Tyr Lys Arg Ser Tyr Pro Thr Asn Ser Leu Thr Arg Ser His Gln
85 90 95
Ala Pro Leu Ser Lys Glu Thr Thr Leu Thr Pro Pro Ile Pro Leu Thr
100 105 110
Ser Pro Glu Thr Arg Ala Leu Ala Gly Glu Thr Thr Arg Arg Pro Pro
115 120 125
Arg Arg Gly Trp Thr Pro Ser Arg Cys Thr Ala Pro Ser His Leu Ala
130 135 140
Arg Pro
145

<210> 834

<211> 239

<212> PRT

<213> Homo sapiens

<400> 834

Gln Pro Pro Gly Thr Arg Asp Pro Ala Pro Pro Leu Ile Thr Pro Ala
 1 5 10 15

Thr Pro Gln Leu Ser Ala Ala Pro Asp Ala Met Asp Pro Ala Leu Ala
 20 25 30

Ala Gln Met Ser Glu Ala Val Ala Glu Lys Met Leu Gln Tyr Arg Arg
 35 40 45

Asp Thr Ala Gly Trp Lys Ile Cys Arg Glu Gly Asn Gly Val Ser Val
 50 55 60

Ser Trp Arg Pro Ser Val Glu Phe Pro Gly Asn Leu Tyr Arg Gly Glu
 65 70 75 80

Gly Ile Val Tyr Gly Thr Leu Glu Glu Val Trp Asp Cys Val Lys Pro
 85 90 95

Ala Val Gly Gly Leu Arg Val Lys Trp Asp Glu Asn Val Thr Gly Phe
 100 105 110

Glu Ile Ile Gln Ser Ile Thr Asp Thr Leu Cys Val Ser Arg Thr Ser
 115 120 125

Thr Pro Ser Ala Ala Met Lys Leu Ile Ser Pro Arg Asp Phe Val Asp
 130 135 140

Leu Val Leu Val Lys Arg Tyr Glu Asp Gly Thr Ile Ser Ser Asn Ala
 145 150 155 160

Thr His Val Glu His Pro Leu Cys Pro Pro Lys Pro Gly Phe Val Arg
 165 170 175

Gly Phe Asn His Pro Cys Gly Cys Phe Cys Glu Pro Leu Pro Gly Glu
 180 185 190

Pro Thr Lys Thr Asn Leu Val Thr Phe Phe His Thr Asp Leu Ser Gly
 195 200 205

Tyr Leu Pro Gln Asn Val Val Asp Ser Phe Phe Pro Arg Ser Met Thr
 210 215 220

Arg Phe Tyr Ala Asn Leu Gln Lys Ala Val Lys Gln Phe His Glu

225

230

235

<210> 835

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 835

Gln Leu Thr Thr Val Arg Arg Leu Leu Ser Glu Lys Ala Thr His Val
 1 5 10 15

Asn Thr Arg Asp Glu Asp Glu Xaa Thr Pro Leu His Arg Ala Ala Tyr
 20 25 30

Ser Gly His Leu Asp Ile Val Gln Glu Leu Ile Ala Gln Gly Ala Asp
 35 40 45

Val His Ala Val Thr Val Asp Gly Trp Thr Pro Leu His Ser Ala Cys
 50 55 60

Lys Trp Asn Asn Thr Arg Val Ala Ser Phe Leu Leu Gln His Asp Ala
 65 70 75 80

Asp Ile Asn Ala Gln Thr Lys Gly Leu Leu Thr Pro Leu His Leu Ala
 85 90 95

Ala Gly Asn Arg Asp Ser Lys Asp Thr Leu Glu Leu Leu Met Asn
 100 105 110

Arg Tyr Val Lys Pro Gly Leu Lys Asn Asn Leu Glu Glu Thr Ala Phe
 115 120 125

Asp Ile Ala Arg Arg Thr Ser Ile Tyr His Tyr Leu Phe Glu Ile Val
 130 135 140

Glu Gly Cys Thr Asn Ser Ser Pro Gln Ser
 145 150

<210> 836

<211> 77

<212> PRT

<213> Homo sapiens

<400> 836

Asn Thr Phe Ile His Glu Asp Ile Trp Asn Ile Arg Ser Ile Cys Ser
1 5 10 15
Thr Thr Asn Ile Gln Cys Lys Asn Gly Lys Met Asn Cys His Glu Gly
20 25 30
Val Val Lys Val Thr Asp Cys Arg Asp Thr Gly Ser Ser Arg Ala Pro
35 40 45
Asn Cys Arg Tyr Arg Ala Ile Ala Ser Thr Arg Arg Val Val Ile Ala
50 55 60
Cys Glu Gly Asn Pro Gln Val Pro Val His Phe Asp Gly
65 70 75

<210> 837

<211> 84

<212> PRT

<213> Homo sapiens

<400> 837

Arg Asp Ala Pro Gly Ile Ser Leu Thr Val Leu Leu Pro His Gln Gln
1 5 10 15
Pro Pro Thr Phe Gly Pro Thr Leu Pro Pro Met Arg Glu Tyr Pro Ala
20 25 30
Trp Met Leu Cys Phe Ser Gly Leu Ser Leu Ser Pro Phe Leu Gln Gly
35 40 45
Met Leu Val Ser Leu Ala Ser Gln Cys Pro Asn Trp Ser Pro Glu Cys
50 55 60
Leu Val Leu Ser Gln Glu Thr Ala Glu His Trp Pro Ser Thr Pro Lys
65 70 75 80
Arg Pro Leu His

<210> 838

<211> 96

<212> PRT

<213> Homo sapiens

<400> 838

Cys Phe Ser Leu Pro Ser Leu Phe Thr Ala Val Lys Phe Ile Lys Cys
1 5 10 15
Phe Ser Val Val Phe Cys Ser Leu Ser Phe Thr Gly Tyr Phe Phe Met
20 25 30
Tyr Thr Phe Arg Ile Phe Cys Leu Leu Tyr Pro Val Val Gln Met Ile
35 40 45
Ser Tyr Ile Leu Gln Met Pro Phe Gln Phe Leu Phe Ser Phe Ser Ile
50 55 60
Lys Leu Pro Ser Cys Pro Asn Val Gln Phe Val Ser Val Cys Val Cys
65 70 75 80
Val Cys Val Cys Val Asn Leu Ile Phe Lys Ser Ala Arg Leu Pro Ile
85 90 95

<210> 839

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 839

Xaa Gln Ala Thr Ala Ile Asn Thr Asp Val Asn Gly Cys Ile Cys Phe
1 5 10 15
Ala Val Val Thr Gly Leu Gly Arg Phe Gly Ile Cys Glu Arg Ile Asp
20 25 30
Ser Phe Ser Lys Leu Phe His Lys Val Lys Lys Leu His Phe Lys Gly
35 40 45
Asn Arg Ser Tyr Ser Ser Leu Lys Ser Xaa Ser Asn Cys Ser Phe Ile
50 55 60

<210> 840
<211> 288
<212> PRT
<213> Homo sapiens

<400> 840

Glu Ile Arg Val Ser Cys Thr Ala Gly Ala Gly Phe Pro Ala Ala Gln
1 5 10 15
Ala Arg Val Arg Cys Leu Cys His Leu Ile Leu Met Ser Gly Glu Ile
20 25 30
Ala Met Cys Glu Pro Glu Phe Gly Asn Asp Lys Ala Arg Glu Pro Ser
35 40 45
Val Gly Gly Arg Trp Arg Val Ser Trp Tyr Glu Arg Phe Val Gln Pro
50 55 60
Cys Leu Val Glu Leu Leu Gly Ser Ala Leu Phe Ile Phe Ile Gly Cys
65 70 75 80
Leu Ser Val Ile Glu Asn Gly Thr Asp Thr Gly Leu Leu Gln Pro Ala
85 90 95
Leu Ala His Gly Leu Ala Leu Gly Leu Val Ile Ala Thr Leu Gly Asn
100 105 110
Ile Ser Gly Gly His Phe Asn Pro Ala Val Ser Leu Ala Ala Met Leu
115 120 125
Ile Gly Gly Leu Asn Leu Val Met Leu Leu Pro Tyr Trp Val Ser Gln
130 135 140
Leu Leu Gly Gly Met Leu Gly Ala Ala Leu Ala Lys Ala Val Ser Pro
145 150 155 160
Glu Glu Arg Phe Trp Asn Ala Ser Gly Ala Ala Phe Val Thr Val Gln
165 170 175
Glu Gln Gly Gln Val Ala Gly Ala Leu Val Ala Glu Ile Ile Leu Thr
180 185 190
Thr Leu Leu Ala Leu Ala Val Cys Met Gly Ala Ile Asn Glu Lys Thr
195 200 205
Lys Gly Pro Leu Ala Pro Phe Ser Ile Gly Phe Ala Val Thr Val Asp

210 215 220
 Ile Leu Ala Gly Gly Pro Val Ser Gly Gly Cys Met Asn Pro Ala Arg
 225 230 235 240
 Ala Phe Gly Pro Ala Val Val Ala Asn His Trp Asn Phe His Trp Ile
 245 250 255
 Tyr Trp Leu Gly Pro Leu Leu Ala Gly Leu Leu Val Gly Leu Leu Ile
 260 265 270
 Arg Cys Phe Ile Gly Asp Gly Lys Thr Arg Leu Ile Leu Lys Ala Gln
 275 280 285

<210> 841
 <211> 216
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 841
 Gly Xaa Glu Gly Lys Gly Arg Glu Gly Gly Val Thr Arg Gly Arg Ala
 1 5 10 15
 Arg Ala Pro Gly Ala Ala Arg Arg Arg Val Glu Leu Asp Arg Val Cys
 20 25 30
 Cys Gln Arg Arg Glu Leu Arg Pro Pro Phe Tyr Asn Ser Ser Thr Arg
 35 40 45
 Ala Gly His Arg Glu Gln Arg Ala Arg Val Ser Arg Asn Pro Ile Pro
 50 55 60
 Ser Asp Arg Ile Ser Pro Pro Gln Pro Asn Gly Glu Ile Ser Gly Asn
 65 70 75 80
 Met Ala Thr Glu His Val Asn Gly Asn Gly Thr Glu Glu Pro Met Asp
 85 90 95
 Thr Thr Ser Ala Val Ile His Ser Glu Asn Phe Gln Thr Leu Leu Asp
 100 105 110

Ala Gly Leu Pro Gln Lys Val Ala Glu Lys Leu Asp Glu Ile Tyr Val
115 120 125
Ala Gly Leu Val Ala His Ser Asp Leu Asp Glu Arg Ala Ile Glu Ala
130 135 140
Leu Lys Glu Phe Asn Glu Asp Gly Ala Leu Ala Val Leu Gln Gln Phe
145 150 155 160
Lys Asp Ser Asp Leu Ser His Val Gln Asn Lys Ser Ala Phe Leu Cys
165 170 175
Gly Val Met Lys Thr Tyr Arg Gln Arg Glu Lys Gln Gly Thr Lys Val
180 185 190
Ala Asp Ser Ser Lys Gly Pro Asp Glu Ala Lys Ile Lys Ala Leu Leu
195 200 205
Glu Arg Thr Gly Ser His Leu Met
210 215

<210> 842
<211> 189
<212> PRT
<213> Homo sapiens

<400> 842
Asp Ser Asp Gly Ser Pro Leu Ser Asn Ser Gln Pro Ser Phe Pro Val
1 5 10 15
Glu Ile Leu Pro Phe Leu Tyr Leu Gly Cys Ala Lys Asp Ser Thr Asn
20 25 30
Leu Asp Val Leu Glu Glu Phe Gly Ile Lys Tyr Ile Leu Asn Val Thr
35 40 45
Pro Asn Leu Pro Asn Leu Phe Glu Asn Ala Gly Glu Phe Lys Tyr Lys
50 55 60
Gln Ile Pro Ile Ser Asp His Trp Ser Gln Asn Leu Ser Gln Phe Phe
65 70 75 80
Pro Glu Ala Ile Ser Phe Ile Asp Glu Ala Arg Gly Lys Asn Cys Gly
85 90 95
Val Leu Val His Cys Leu Ala Gly Ile Ser Arg Ser Val Thr Val Thr
100 105 110
Val Ala Tyr Leu Met Gln Lys Leu Asn Leu Ser Met Asn Asp Ala Tyr

115 120 125
 Asp Ile Val Lys Met Lys Lys Ser Asn Ile Ser Pro Asn Phe Asn Phe
 130 135 140
 Met Gly Gln Leu Leu Asp Phe Glu Arg Thr Leu Gly Leu Ser Ser Pro
 145 150 155 160
 Cys Asp Asn Arg Val Pro Ala Gln Gln Leu Tyr Phe Thr Thr Pro Ser
 165 170 175
 Asn Gln Asn Val Tyr Gln Val Asp Ser Leu Gln Ser Thr
 180 185

 <210> 843
 <211> 220
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (216)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 843
 Asn Thr Pro Gly Phe Met Tyr Lys Asn Leu Gln Cys Leu Val Ile Asp
 1 5 10 15
 Glu Ala Asp Arg Ile Phe Asp Val Gly Phe Glu Glu Glu Leu Lys Gln
 20 25 30
 Ile Ile Lys Leu Leu Pro Thr Arg Arg Gln Thr Met Leu Phe Ser Ala
 35 40 45
 Thr Gln Thr Arg Lys Val Glu Asp Leu Ala Arg Ile Ser Leu Lys Lys
 50 55 60
 Glu Pro Leu Tyr Val Gly Val Asp Asp Asp Lys Ala Asn Ala Thr Val
 65 70 75 80
 Asp Gly Leu Glu Gln Lys Asn Arg Lys Lys Lys Leu Met Val Phe Phe
 85 90 95
 Ser Ser Cys Met Ser Val Lys Tyr His Tyr Glu Leu Leu Asn Tyr Ile
 100 105 110
 Asp Leu Pro Val Leu Ala Ile His Gly Lys Gln Lys Gln Asn Lys Arg
 115 120 125

Thr Thr Thr Phe Phe Gln Phe Cys Asn Ala Asp Ser Gly Thr Leu Leu
130 135 140

Cys Thr Asp Val Ala Ala Arg Gly Leu Asp Ile Pro Glu Val Asp Trp
145 150 155 160

Ile Val Gln Tyr Asp Pro Pro Asp Asp Pro Lys Glu Tyr Ile His Arg
165 170 175

Val Gly Arg Thr Ala Arg Gly Leu Asn Gly Arg Gly His Ala Leu Leu
180 185 190

Ile Leu Arg Pro Glu Glu Leu Gly Phe Leu Arg Tyr Leu Lys Gln Ser
195 200 205

Lys Val Pro Leu Ser Glu Phe Xaa Leu Phe Leu Val
210 215 220

<210> 844

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 844

Arg Pro Pro Phe Val Pro Lys His Pro Ala His Ala Asp Ser Leu Leu
1 5 10 15

Gly Ser Leu Arg Tyr Leu Ser Thr Gln Thr Leu Leu Pro His Pro Ile
20 25 30

Ser Pro Glu Thr Pro Ala Phe Xaa Leu Thr Ile Phe Pro Leu Pro Ala
35 40 45

Phe Arg Phe Leu Leu Gly Ala Gln Arg Pro Leu Trp Gly Val Ala Ser
50 55 60

Ser Pro Pro Thr Pro Pro His Pro Pro Pro Leu Pro Arg Gln Ala Ser
65 70 75 80

Pro Cys Arg

<210> 845
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 845
Xaa Ser Ser Arg Thr Cys Glu Gly Arg Val Leu Ser Ser Val Xaa Pro
1 5 10 15

Leu Ala His Val Ala Ser Val Phe Leu Lys Leu Pro Asp Leu Glu Xaa
20 25 30

Leu Met Lys Arg Glu Asn Gln Lys Ile Leu Thr Pro Leu Val Ser Leu
35 40 45

Asp Thr Pro Gly Lys Ala Thr Val Gln Val Val Ile Leu Ala Asp Pro
50 55 60

Asp Gly His Glu Ile Cys Phe Val Gly Asp Glu Ala Phe Arg Glu Leu
65 70 75 80

Ser Lys Met Asp Pro Glu Gly Ser Lys Leu Leu Asp Asp Ala Met Ala
85 90 95

Ala Asp Lys Ser Asp Glu Trp Phe Ala Lys His Asn Lys Pro Lys Ala
100 105 110

Ser Gly

<210> 846
<211> 68
<212> PRT
<213> Homo sapiens

<400> 846

Ser Asn Gly Ser Ile Cys Leu Asp Ile Leu Arg Ser Gln Trp Ser Pro
1 5 10 15
Ala Leu Thr Val Ser Lys Val Leu Leu Ser Ile Cys Ser Leu Leu Cys
20 25 30
Asp Pro Asn Pro Asp Asp Pro Leu Val Pro Glu Ile Ala His Thr Tyr
35 40 45
Lys Ala Asp Arg Glu Lys Tyr Asn Arg Leu Ala Arg Glu Trp Thr Gln
50 55 60
Lys Tyr Ala Met
65

<210> 847

<211> 365

<212> PRT

<213> Homo sapiens

<400> 847

Gly Arg Val Gly Ser Pro Gly Gly Cys Pro Trp Val Leu Pro Ser Leu
1 5 10 15
Pro Asp Thr Gln Thr Asp Leu Asp Arg Pro Pro Gly Arg Ser Arg Thr
20 25 30
Gly Arg Pro Asp Ala Ala Met Ala Glu Leu Pro Gly Pro Phe Leu Cys
35 40 45
Gly Ala Leu Leu Gly Phe Leu Cys Leu Ser Gly Leu Ala Val Glu Val
50 55 60
Lys Val Pro Thr Glu Pro Leu Ser Thr Pro Leu Gly Lys Thr Ala Glu
65 70 75 80
Leu Thr Cys Thr Tyr Ser Thr Ser Val Gly Asp Ser Phe Ala Leu Glu
85 90 95
Trp Ser Phe Val Gln Pro Gly Lys Pro Ile Ser Glu Ser His Pro Ile
100 105 110
Leu Tyr Phe Thr Asn Gly His Leu Tyr Pro Thr Gly Ser Lys Ser Lys
115 120 125
Arg Val Ser Leu Leu Gln Asn Pro Pro Thr Val Gly Val Ala Thr Leu
130 135 140

Lys Leu Thr Asp Val His Pro Ser Asp Thr Gly Thr Tyr Leu Cys Gln
 145 150 155 160
 Val Asn Asn Pro Pro Asp Phe Tyr Thr Asn Gly Leu Gly Leu Ile Asn
 165 170 175
 Leu Thr Val Leu Val Pro Pro Ser Asn Pro Leu Cys Ser Gln Ser Gly
 180 185 190
 Gln Thr Ser Val Gly Gly Ser Thr Ala Leu Arg Cys Ser Ser Ser Glu
 195 200 205
 Gly Ala Pro Lys Pro Val Tyr Asn Trp Val Arg Leu Gly Thr Phe Pro
 210 215 220
 Thr Pro Ser Pro Gly Ser Met Val Gln Asp Glu Val Ser Gly Gln Leu
 225 230 235 240
 Ile Leu Thr Asn Leu Ser Leu Thr Ser Ser Gly Thr Tyr Arg Cys Val
 245 250 255
 Ala Thr Asn Gln Met Gly Ser Ala Ser Cys Glu Leu Thr Leu Ser Val
 260 265 270
 Thr Glu Pro Ser Gln Gly Arg Val Ala Gly Ala Leu Ile Gly Val Leu
 275 280 285
 Leu Gly Val Leu Leu Leu Ser Val Ala Ala Phe Cys Leu Val Arg Phe
 290 295 300
 Gln Lys Glu Arg Gly Lys Lys Pro Lys Glu Thr Tyr Gly Gly Ser Asp
 305 310 315 320
 Leu Arg Glu Asp Ala Ile Ala Pro Gly Ile Ser Glu His Thr Cys Met
 325 330 335
 Arg Ala Asp Ser Ser Lys Gly Phe Leu Glu Arg Pro Ser Ser Ala Ser
 340 345 350
 Thr Val Thr Thr Thr Lys Ser Lys Leu Pro Met Val Val
 355 360 365

<210> 848

<211> 215

<212> PRT

<213> Homo sapiens

<400> 848

Leu Asp His Ile Val Asp Lys Val Lys Glu Cys Val Asp His Leu Ser
 1 5 10 15
 Arg Asp Glu Asp Glu Glu Lys Leu Val Ala Ser Leu Trp Gly Ala Glu
 20 25 30
 Arg Cys Leu Arg Val Leu Glu Ser Val Thr Val His Asn Pro Glu Asn
 35 40 45
 Gln Ser Tyr Leu Ile Ala Tyr Lys Asp Ser Gln Leu Ile Val Ser Ser
 50 55 60
 Ala Lys Ala Leu Gln His Cys Glu Glu Leu Ile Gln Gln Tyr Asn Arg
 65 70 75 80
 Ala Glu Asp Ser Ile Cys Leu Ala Asp Ser Lys Pro Leu Pro His Gln
 85 90 95
 Asn Val Thr Asn His Val Gly Lys Ala Val Glu Asp Cys Met Arg Ala
 100 105 110
 Ile Ile Gly Val Leu Leu Asn Leu Thr Asn Asp Asn Glu Trp Gly Ser
 115 120 125
 Thr Lys Thr Gly Glu Gln Asp Gly Leu Ile Gly Thr Ala Leu Asn Cys
 130 135 140
 Val Leu Gln Val Pro Lys Tyr Leu Pro Gln Glu Gln Arg Phe Asp Ile
 145 150 155 160
 Arg Val Leu Gly Leu Gly Leu Leu Ile Asn Leu Val Glu Tyr Ser Ala
 165 170 175
 Arg Asn Arg His Cys Leu Val Asn Met Glu Thr Ser Cys Ser Phe Asp
 180 185 190
 Ser Ser Ile Cys Ser Gly Glu Gly Asp Asp Ser Leu Arg Ile Gly Gly
 195 200 205
 Gln Val His Ala Val Gln Leu
 210 215

<210> 849

<211> 368

<212> PRT

<213> Homo sapiens

<400> 849

Gly Lys Ala Glu Gly Val Cys Gly Leu Ser His Arg Gln Glu Cys Gln

1 5 10 15
 Asp Pro Ala Gly Ala Leu Glu Ser Leu Arg Leu Ala Leu Ala Ser Arg
 20 25 30
 Leu Leu Pro Asp Phe Leu Leu Glu Arg Arg Leu Thr Leu Ala Asp Ala
 35 40 45
 Leu Glu Lys Cys Leu Lys Lys Gly Lys Gly Glu Glu Gln Ala Leu Ala
 50 55 60
 Ala Ala Val Leu Gly Leu Leu Cys Val Gln Leu Gly Pro Gly Pro Lys
 65 70 75 80
 Gly Glu Glu Leu Phe His Ser Leu Gln Pro Leu Leu Val Ser Val Leu
 85 90 95
 Ser Asp Ser Thr Ala Ser Pro Ala Ala Arg Leu His Cys Ala Ser Ala
 100 105 110
 Leu Gly Leu Gly Cys Tyr Val Ala Ala Ala Asp Ile Gln Asp Leu Val
 115 120 125
 Ser Cys Leu Ala Cys Leu Glu Ser Val Phe Ser Arg Phe Tyr Gly Leu
 130 135 140
 Gly Gly Ser Ser Thr Ser Pro Val Val Pro Ala Ser Leu His Gly Leu
 145 150 155 160
 Leu Ser Ala Ala Leu Gln Ala Trp Ala Leu Leu Leu Thr Ile Cys Pro
 165 170 175
 Ser Thr Gln Ile Ser His Ile Leu Asp Arg Gln Leu Pro Arg Leu Pro
 180 185 190
 Gln Leu Leu Ser Ser Glu Ser Val Asn Leu Arg Ile Ala Ala Gly Glu
 195 200 205
 Thr Ile Ala Leu Leu Phe Glu Leu Ala Arg Asp Leu Glu Glu Glu Phe
 210 215 220
 Val Tyr Glu Asp Met Glu Ala Leu Cys Ser Val Leu Arg Thr Leu Ala
 225 230 235 240
 Thr Asp Ser Asn Lys Tyr Arg Ala Lys Ala Asp Arg Arg Arg Gln Arg
 245 250 255
 Ser Thr Phe Arg Ala Val Leu His Ser Val Glu Gly Gly Glu Cys Glu
 260 265 270
 Glu Glu Ile Val Arg Phe Gly Phe Glu Val Leu Tyr Met Asp Ser Trp

275	280	285
Ala Arg His Arg Ile Tyr	Ala Ala Phe Lys Glu Val	Leu Gly Ser Gly
290	295	300
Met His His His Leu Gln Asn Asn Glu Leu Leu Arg Asp Ile Phe Gly		
305	310	315 320
Leu Gly Pro Val Leu Leu Leu Asp Ala Thr Ala Leu Lys Ala Cys Lys		
	325 330	335
Val Pro Arg Phe Glu Lys His Leu Tyr Asn Ala Ala Ala Phe Lys Ala		
	340 345	350
Arg Thr Lys Ala Arg Ser Arg Val Arg Asp Lys Arg Ala Asp Ile Leu		
	355 360	365

<210> 850

<211> 218

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (190)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (207)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 850

Ala Ser Ala Ser Ile Cys Ser Gly Ile Lys Tyr Ala Phe Gln Val Ile
1 5 10 15

Gly Glu Leu His Ser Gln Leu Asp Gly Ser Glu Val Leu Leu Leu Thr
20 25 30

Asp Gly Glu Asp Asn Thr Ala Ser Ser Cys Ile Asp Glu Val Lys Gln
35 40 45

Ser Gly Ala Ile Val His Phe Ile Ala Leu Gly Arg Ala Ala Asp Glu
50 55 60

Ala Val Ile Glu Met Ser Lys Ile Thr Gly Gly Ser His Phe Tyr Val
65 70 75 80

Ser Asp Glu Ala Gln Asn Asn Gly Leu Ile Asp Ala Phe Gly Ala Xaa
85 90 95

Thr Ser Gly Asn Thr Asp Leu Ser Xaa Lys Ser Leu Gln Leu Glu Ser
100 105 110

Lys Gly Leu Thr Leu Asn Ser Asn Ala Trp Met Asn Asp Thr Val Ile
115 120 125

Ile Asp Ser Thr Val Gly Lys Asp Thr Phe Phe Leu Ile Thr Trp Asn
130 135 140

Ser Leu Pro Pro Ser Ile Ser Leu Trp Asp Pro Ser Gly Thr Ile Met
145 150 155 160

Glu Asn Phe Thr Val Asp Ala Thr Ser Lys Met Ala Tyr Leu Ser Ile
165 170 175

Pro Gly Thr Xaa Lys Val Gly Thr Trp Ala Tyr Asn Leu Xaa Ala Lys
180 185 190

Ala Xaa Pro Glu Thr Leu Thr Ile Thr Val Thr Ser Arg Ala Xaa Lys
195 200 205

Phe Phe Cys Ala Ser Asn His Ser Glu Cys
210 215

<210> 851
<211> 303
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (255)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 851
Gly Cys Leu Gly Gln Thr Arg Pro Ala Ser Pro Arg Thr Ala Arg Glu
1 5 10 15
Ser Val Leu Gly Val Ser Gln Asn Met Ser Phe Asn Leu Gln Ser Ser
20 25 30
Lys Lys Leu Phe Ile Phe Leu Gly Lys Ser Leu Phe Ser Leu Leu Glu
35 40 45
Ala Met Ile Phe Ala Leu Leu Pro Lys Pro Arg Lys Asn Val Ala Gly
50 55 60
Glu Ile Val Leu Ile Thr Gly Ala Gly Ser Gly Leu Gly Arg Leu Leu
65 70 75 80
Ala Leu Gln Phe Ala Arg Leu Gly Ser Val Leu Val Leu Trp Asp Ile
85 90 95
Asn Lys Glu Gly Asn Glu Glu Thr Cys Lys Met Ala Arg Glu Ala Gly
100 105 110
Ala Thr Arg Val His Ala Tyr Thr Cys Asp Cys Ser Gln Lys Glu Gly
115 120 125
Val Tyr Arg Val Xaa Asp Gln Val Lys Lys Glu Val Gly Asp Val Ser
130 135 140
Ile Leu Ile Asn Asn Ala Gly Ile Val Thr Gly Lys Lys Phe Leu Asp
145 150 155 160
Cys Pro Asp Glu Leu Met Glu Lys Ser Phe Asp Val Asn Phe Lys Ala
165 170 175
His Leu Trp Thr Tyr Lys Ala Phe Leu Pro Ala Met Ile Ala Asn Asp
180 185 190

His Gly His Leu Val Cys Ile Ser Ser Ser Ala Gly Leu Ser Gly Val
195 200 205
Asn Gly Leu Ala Asp Tyr Cys Ala Ser Lys Phe Ala Ala Phe Gly Phe
210 215 220
Ala Glu Ser Val Phe Val Glu Thr Phe Val Gln Lys Gln Lys Gly Ile
225 230 235 240
Lys Thr Thr Ile Val Cys Pro Phe Phe Ile Lys Thr Gly Met Xaa Glu
245 250 255
Gly Cys Thr Thr Gly Cys Pro Ser Leu Leu Pro Ile Leu Glu Pro Lys
260 265 270
Tyr Ala Val Glu Lys Ile Val Glu Ala Ile Leu Gln Glu Lys Met Tyr
275 280 285
Leu Tyr Met Pro Lys Leu Leu Tyr Phe Met Met Phe Leu Lys Arg
290 295 300

<210> 852
<211> 340
<212> PRT
<213> Homo sapiens

<400> 852
Arg Thr Val Ile Asp Ala Met Ser Ala Leu Leu Arg Leu Leu Arg Thr
1 5 10 15
Gly Ala Pro Ala Ala Ala Cys Leu Arg Leu Gly Thr Ser Ala Gly Thr
20 25 30
Gly Ser Arg Arg Ala Met Ala Leu Tyr His Thr Glu Glu Arg Gly Gln
35 40 45
Pro Cys Ser Gln Asn Tyr Arg Leu Phe Phe Lys Asn Val Thr Gly His
50 55 60
Tyr Ile Ser Pro Phe His Asp Ile Pro Leu Lys Val Asn Ser Lys Glu
65 70 75 80
Glu Asn Gly Ile Pro Met Lys Lys Ala Arg Asn Asp Glu Tyr Glu Asn
85 90 95
Leu Phe Asn Met Ile Val Glu Ile Pro Arg Trp Thr Asn Ala Lys Met
100 105 110

Glu Ile Ala Thr Lys Glu Pro Met Asn Pro Ile Lys Gln Tyr Val Lys
 115 120 125
 Asp Gly Lys Leu Arg Tyr Val Ala Asn Ile Phe Pro Tyr Lys Gly Tyr
 130 135 140
 Ile Trp Asn Tyr Gly Thr Leu Pro Gln Thr Trp Glu Asp Pro His Glu
 145 150 155 160
 Lys Asp Lys Ser Thr Asn Cys Phe Gly Asp Asn Asp Pro Ile Asp Val
 165 170 175
 Cys Glu Ile Gly Ser Lys Ile Leu Ser Cys Gly Glu Val Ile His Val
 180 185 190
 Lys Ile Leu Gly Ile Leu Ala Leu Ile Asp Glu Gly Glu Thr Asp Trp
 195 200 205
 Lys Leu Ile Ala Ile Asn Ala Asn Asp Pro Glu Ala Ser Lys Phe His
 210 215 220
 Asp Ile Asp Asp Val Lys Lys Phe Lys Pro Gly Tyr Leu Glu Ala Thr
 225 230 235 240
 Leu Asn Trp Phe Arg Leu Tyr Lys Val Pro Asp Gly Lys Pro Glu Asn
 245 250 255
 Gln Phe Ala Phe Asn Gly Glu Phe Lys Asn Lys Ala Phe Ala Leu Glu
 260 265 270
 Val Ile Lys Ser Thr His Gln Cys Trp Lys Ala Leu Leu Met Lys Lys
 275 280 285
 Cys Asn Gly Gly Ala Ile Asn Cys Thr Asn Val Gln Ile Ser Asp Ser
 290 295 300
 Pro Phe Arg Cys Thr Gln Glu Glu Ala Arg Ser Leu Val Glu Ser Val
 305 310 315 320
 Ser Ser Ser Pro Asn Lys Glu Ser Asn Glu Glu Gln Val Trp His
 325 330 335
 Phe Leu Gly Lys
 340

<210> 853

<211> 317

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 853

Ala Asp Leu Ile Ser Leu Pro Thr Thr Val Glu Gly Leu Gln Lys Ser
 1 5 10 15

Val Ala Ser Ile Gly Asn Thr Leu Asn Ser Val His Leu Ala Val Glu
 20 25 30

Ala Leu Gln Lys Thr Val Asp Glu His Lys Lys Thr Met Glu Leu Leu
 35 40 45

Gln Ser Asp Met Asn Gln His Phe Leu Lys Glu Thr Pro Gly Ser Asn
 50 55 60

Gln Ile Ile Pro Ser Pro Ser Ala Thr Ser Glu Leu Asp Asn Lys Thr
 65 70 75 80

His Ser Glu Asn Leu Lys Gln Asp Ile Leu Tyr Leu His Asn Ser Leu
 85 90 95

Glu Glu Val Asn Ser Ala Leu Val Gly Tyr Gln Arg Gln Asn Asp Leu
 100 105 110

Lys Leu Glu Gly Met Asn Glu Thr Val Ser Asn Leu Thr Gln Arg Val
 115 120 125

Asn Leu Ile Glu Ser Asp Val Val Ala Met Ser Lys Val Glu Lys Lys
 130 135 140

Ala Asn Leu Ser Phe Ser Met Met Gly Asp Arg Ser Ala Thr Leu Lys
 145 150 155 160

Arg Gln Ser Leu Xaa Gln Val Thr Asn Arg Thr Asp Thr Val Lys Ile
 165 170 175

Gln Ser Ile Lys Lys Glu Asp Ser Ser Asn Ser Gln Val Ser Lys Leu
 180 185 190

Arg Glu Lys Leu Gln Leu Ile Ser Ala Leu Thr Asn Lys Pro Glu Ser
 195 200 205

Asn Arg Pro Pro Glu Thr Ala Asp Glu Glu Gln Val Glu Ser Phe Thr
 210 215 220

Ser Lys Pro Ser Ala Leu Pro Lys Phe Ser Gln Phe Leu Gly Asp Pro
 225 230 235 240

Val Glu Lys Ala Ala Gln Leu Arg Pro Ile Ser Leu Pro Gly Val Ser
245 250 255
Ser Thr Glu Asp Leu Gln Asp Leu Phe Arg Lys Thr Gly Gln Asp Val
260 265 270
Asp Gly Lys Leu Thr Tyr Gln Glu Ile Trp Thr Ser Leu Gly Ser Ala
275 280 285
Met Pro Glu Pro Glu Ser Leu Arg Ala Phe Asp Ser Asp Gly Asp Gly
290 295 300
Arg Tyr Ser Phe Leu Glu Leu Arg Val Ala Leu Gly Ile
305 310 315

<210> 854
<211> 34
<212> PRT
<213> Homo sapiens

<400> 854
Leu Leu Phe Asn Phe Lys Gln Val Phe Phe Ala Ser Val Arg Ser Gly
1 5 10 15
Gly Ser Ser Gln Val Phe Phe Met Thr Leu Asn Arg Asn Ser Met Met
20 25 30
Asn Trp

<210> 855
<211> 232
<212> PRT
<213> Homo sapiens

<400> 855
Leu Pro Val Pro Gly Arg Gly Arg Val Phe Phe Glu Asp Leu Gly Leu
1 5 10 15
Arg Asp Thr Val Arg Met Ala Val Val Pro Leu Leu Leu Gly Gly
20 25 30
Leu Trp Ser Ala Val Gly Ala Ser Ser Leu Gly Val Val Thr Cys Gly
35 40 45
Ser Val Val Lys Leu Leu Asn Thr Arg His Asn Val Arg Leu His Ser

50 55 60
 His Asp Val Arg Tyr Gly Ser Gly Ser Gly Gln Gln Ser Val Thr Gly
 65 70 75 80
 Val Thr Ser Val Asp Asp Ser Asn Ser Tyr Trp Arg Ile Arg Gly Lys
 85 90 95
 Ser Ala Thr Val Cys Glu Arg Gly Thr Pro Ile Lys Cys Gly Gln Pro
 100 105 110
 Ile Arg Leu Thr His Val Asn Thr Gly Arg Asn Leu His Ser His His
 115 120 125
 Phe Thr Ser Pro Leu Ser Gly Asn Gln Glu Val Ser Ala Phe Gly Glu
 130 135 140
 Glu Gly Glu Gly Asp Tyr Leu Asp Asp Trp Thr Val Leu Cys Asn Gly
 145 150 155 160
 Pro Tyr Trp Val Arg Asp Gly Glu Val Arg Phe Lys His Ser Ser Thr
 165 170 175
 Glu Val Leu Leu Ser Val Thr Gly Glu Gln Tyr Gly Arg Pro Ile Ser
 180 185 190
 Gly Gln Lys Glu Val His Gly Met Ala Gln Pro Ser Gln Asn Asn Tyr
 195 200 205
 Trp Lys Ala Met Glu Gly Ile Phe Met Lys Pro Ser Glu Leu Leu Lys
 210 215 220
 Ala Glu Ala His His Ala Glu Leu
 225 230

<210> 856

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 856

Cys Phe Ser Ser Ser Gly Phe Thr Cys His Asp His Gly Ala Thr Val
 1 5 10 15

Leu Gln Tyr Ala Pro Lys Gln Gln Leu Leu Ile Ser Gly Gly Arg Lys
20 25 30
Arg His Val Cys Ile Phe Asp Ile Xaa Gln Arg Gln Leu Ile His Thr
35 40 45
Phe Gln Ala His Asp Ser Ala Ile Lys Ala Leu Ala Leu Asp Pro Tyr
50 55 60
Glu Glu Tyr Phe Thr Thr Gly Ser Ala Glu Gly Asn Ile Lys Val Trp
65 70 75 80
Arg Leu Thr Gly His Gly Leu Ile His Ser Phe Lys Ser Glu His Ala
85 90 95
Lys Gln Ser Ile Phe Arg Asn Ile Gly Ala Gly Val Met Gln Ile Asp
100 105 110
Ile Ile Gln Gly Asn Arg Leu Phe Ser Cys Gly Ala Asp Gly Thr Leu
115 120 125
Lys Thr Arg Val Leu Pro Asn Ala Phe Asn Ile Pro Asn Arg Ile Leu
130 135 140
Asp Ile Leu
145

<210> 857

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 857

Pro Arg Val Arg Ile Asn Lys Glu Ser Glu Val Tyr Lys Met Leu Gln

1 5 10 15
Glu Lys Gln Glu Leu Asn Glu Pro Leu Lys Gln Ser Thr Ser Phe Leu
20 25 30
Ile Leu Gln Glu Ile Leu Glu Ser Glu Ile Lys Gly Asp Leu Asn Asn
35 40 45
Pro Gln Asp Ser Glu Val Leu Lys Leu Leu Xaa Pro Xaa Val Xaa Ala
50 55 60
Ser Ile Gly Asn Ala Gln Lys Val Pro Met Cys Asp Lys Cys Gly Pro
65 70 75 80
Gly Ile Val Gly Met Phe Val Lys Leu Arg Gly Pro Ser Ser Pro Pro
85 90 95

<210> 858
<211> 45
<212> PRT
<213> Homo sapiens

<400> 858
Asp Thr Ser Glu Ala Ile Leu Thr Ser Glu Tyr Pro Ser Ser Ser Leu
1 5 10 15
Lys Thr Glu Thr Ser His Leu Glu Asn Val Asn Leu Cys Cys His Leu
20 25 30
Val Ala Gly Val Ser Arg His Lys Thr Glu Phe Lys Lys
35 40 45

<210> 859
<211> 758
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (590)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 859
Lys Met Ser Glu Asn Ser Ser Asp Ser Asp Ser Ser Cys Gly Trp Thr

1	5	10	15
Val Ile Ser His Glu Gly Ser Asp Ile Glu Met Leu Asn Ser Val Thr	20	25	30
Pro Thr Asp Ser Cys Glu Pro Ala Pro Glu Cys Ser Ser Leu Glu Gln	35	40	45
Glu Glu Leu Gln Ala Leu Gln Ile Glu Gln Gly Glu Ser Ser Gln Asn	50	55	60
Gly Thr Val Leu Met Glu Glu Thr Ala Tyr Pro Ala Leu Glu Glu Thr	65	70	75
Ser Ser Thr Ile Glu Ala Glu Glu Gln Lys Ile Pro Glu Asp Ser Ile	85	90	95
Tyr Ile Gly Thr Ala Ser Asp Asp Ser Asp Ile Val Thr Leu Glu Pro	100	105	110
Pro Lys Leu Glu Glu Ile Gly Asn Gln Glu Val Val Ile Val Glu Glu	115	120	125
Ala Gln Ser Ser Glu Asp Phe Asn Met Gly Ser Ser Ser Ser Ser Gln	130	135	140
Tyr Thr Phe Cys Gln Pro Glu Thr Val Phe Ser Ser Gln Pro Ser Asp	145	150	155
Asp Glu Ser Ser Ser Asp Glu Thr Ser Asn Gln Pro Ser Pro Ala Phe	165	170	175
Arg Arg Arg Arg Ala Arg Lys Lys Thr Val Ser Ala Ser Glu Ser Glu	180	185	190
Asp Arg Leu Val Ala Glu Gln Glu Thr Glu Pro Ser Lys Glu Leu Ser	195	200	205
Lys Arg Gln Phe Ser Ser Gly Leu Asn Lys Cys Val Ile Leu Ala Leu	210	215	220
Val Ile Ala Ile Ser Met Gly Phe Gly His Phe Tyr Gly Thr Ile Gln	225	230	235
Ile Gln Lys Arg Gln Gln Leu Val Arg Lys Ile His Glu Asp Glu Leu	245	250	255
Asn Asp Met Lys Asp Tyr Leu Ser Gln Cys Gln Gln Glu Gln Glu Ser	260	265	270
Phe Ile Asp Tyr Lys Ser Leu Lys Glu Asn Leu Ala Arg Cys Trp Thr			

275 280 285
Leu Thr Glu Ala Glu Lys Met Ser Phe Glu Thr Gln Lys Thr Asn Leu
290 295 300
Ala Thr Glu Asn Gln Tyr Leu Arg Val Ser Leu Glu Lys Glu Glu Lys
305 310 315 320
Ala Leu Ser Ser Leu Gln Glu Glu Leu Asn Lys Leu Arg Glu Gln Ile
325 330 335
Arg Ile Leu Glu Asp Lys Gly Thr Ser Thr Glu Leu Val Lys Glu Asn
340 345 350
Gln Lys Leu Lys Gln His Leu Glu Glu Glu Lys Gln Lys Lys His Ser
355 360 365
Phe Leu Ser Gln Arg Glu Thr Leu Leu Thr Glu Ala Lys Met Leu Lys
370 375 380
Arg Glu Leu Glu Arg Glu Arg Leu Val Thr Thr Ala Leu Arg Gly Glu
385 390 395 400
Leu Gln Gln Leu Ser Gly Ser Gln Leu His Gly Lys Ser Asp Ser Pro
405 410 415
Asn Val Tyr Thr Glu Lys Lys Glu Ile Ala Ile Leu Arg Glu Arg Leu
420 425 430
Thr Glu Leu Glu Arg Lys Leu Thr Phe Glu Gln Gln Arg Ser Asp Leu
435 440 445
Trp Glu Arg Leu Tyr Val Glu Ala Lys Asp Gln Asn Gly Lys Gln Gly
450 455 460
Thr Asp Gly Lys Lys Lys Gly Gly Arg Gly Ser His Arg Ala Lys Asn
465 470 475 480
Lys Ser Lys Glu Thr Phe Leu Gly Ser Val Lys Glu Thr Phe Asp Ala
485 490 495
Met Lys Asn Ser Thr Lys Glu Phe Val Arg His His Lys Glu Lys Ile
500 505 510
Lys Gln Ala Lys Glu Ala Val Lys Glu Asn Leu Lys Lys Phe Ser Asp
515 520 525
Ser Val Lys Ser Thr Phe Arg His Phe Lys Asp Thr Thr Lys Asn Ile
530 535 540
Phe Asp Glu Lys Gly Asn Lys Arg Phe Gly Ala Thr Lys Glu Ala Ala

545 550 555 560
Glu Lys Pro Arg Thr Val Phe Ser Asp Tyr Leu His Pro Gln Tyr Lys
 565 570 575
Ala Pro Thr Glu Asn His His Asn Arg Gly Pro Thr Met Xaa Asn Asp
 580 585 590
Gly Arg Lys Glu Lys Pro Val His Phe Lys Glu Phe Arg Lys Asn Thr
 595 600 605
Asn Ser Lys Lys Cys Ser Pro Gly His Asp Cys Arg Glu Asn Ser His
 610 615 620
Ser Phe Arg Lys Ala Cys Ser Gly Val Phe Asp Cys Ala Gln Gln Glu
625 630 635 640
Ser Met Ser Leu Phe Asn Thr Val Val Asn Pro Ile Arg Met Asp Glu
 645 650 655
Phe Arg Gln Ile Ile Gln Arg Tyr Met Leu Lys Glu Leu Asp Thr Phe
 660 665 670
Cys His Trp Asn Glu Leu Asp Gln Phe Ile Asn Lys Phe Phe Leu Asn
 675 680 685
Gly Val Phe Ile His Asp Gln Lys Leu Phe Thr Asp Phe Val Asn Asp
 690 695 700
Val Lys Asp Tyr Leu Arg Asn Met Lys Glu Tyr Glu Val Asp Asn Asp
705 710 715 720
Gly Val Phe Glu Lys Leu Asp Glu Tyr Ile Tyr Arg His Phe Phe Gly
 725 730 735
His Thr Phe Ser Pro Pro Tyr Gly Pro Arg Ser Val Tyr Ile Lys Pro
 740 745 750
Cys His Tyr Ser Ser Leu
 755

<210> 860

<211> 184

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 860

Ala Gly Val His Thr Ile Ser Phe Leu Gly Gly Leu Ala Leu Asn Glu
1 5 10 15

Gly Val Asn Trp Leu Ile Lys Asn Val Ile Gln Glu Pro Arg Pro Cys
20 25 30

Gly Gly Pro His Thr Ala Val Gly Thr Lys Tyr Gly Met Pro Ser Ser
35 40 45

His Ser Gln Phe Met Trp Phe Phe Ser Val Tyr Ser Phe Leu Phe Leu
50 55 60

Tyr Leu Arg Met His Gln Thr Asn Asn Ala Arg Phe Leu Asp Leu Leu
65 70 75 80

Trp Arg His Val Leu Ser Leu Gly Leu Leu Ala Val Ala Phe Leu Val
85 90 95

Ser Tyr Ser Arg Val Tyr Leu Leu Tyr His Thr Trp Ser Gln Val Leu
100 105 110

Tyr Gly Gly Ile Ala Gly Gly Leu Met Ala Ile Ala Trp Phe Ile Phe
115 120 125

Thr Gln Glu Val Leu Thr Pro Leu Phe Pro Arg Ile Ala Ala Trp Pro
130 135 140

Val Ser Glu Phe Phe Leu Ile Arg Asp Thr Ser Leu Ile Pro Asn Val
145 150 155 160

Leu Trp Phe Glu Tyr Thr Val Thr Arg Ala Glu Ala Arg Xaa Arg Gln
165 170 175

Arg Lys Leu Gly Thr Lys Leu Gln
180

<210> 861

<211> 360

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (360)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 861

Leu Pro Gln Ala Gln Gly Asp Gln Phe Pro Trp Glu Gln Ala Glu Gly
1 5 10 15

Gln Ala Pro Gly Glu Asp Gly Gln Arg Leu Pro Asp Gln Ile His Pro
20 25 30

Gly Val Pro Ala Arg Arg Arg Pro Trp Trp Arg Glu Arg Ala Arg Ala
35 40 45

Val Arg Gly Leu Xaa Glu Gly Arg Glu Pro Glu Lys Arg Arg Glu Arg
50 55 60

Lys Gln Arg Arg Glu Gly Gly Asp Gly Glu Glu Gln Asp Val Gly Asp
65 70 75 80

Ala Gly Arg Leu Leu Arg Val Leu His Val Ser Glu Asn Pro Val
85 90 95

Pro Leu Thr Val Arg Val Ser Pro Glu Val Arg Asp Val Arg Pro Tyr
100 105 110

Ile Val Gly Ala Val Val Arg Gly Met Asp Leu Gln Pro Gly Asn Ala
115 120 125

Leu Lys Arg Phe Leu Thr Ser Gln Thr Lys Leu His Glu Asp Leu Cys
130 135 140

Glu Lys Arg Thr Ala Ala Thr Leu Ala Thr His Glu Leu Arg Ala Val
145 150 155 160

Lys Gly Pro Leu Leu Tyr Cys Ala Arg Pro Pro Gln Asp Leu Lys Ile
165 170 175

Val Pro Leu Gly Arg Lys Glu Ala Lys Ala Lys Glu Leu Val Arg Gln
180 185 190

Leu Gln Leu Glu Ala Glu Glu Gln Arg Lys Gln Lys Lys Arg Gln Ser
195 200 205

Val Ser Gly Leu His Arg Tyr Leu His Leu Leu Asp Gly Asn Glu Asn
210 215 220

Tyr Pro Cys Leu Val Asp Ala Asp Gly Asp Val Ile Ser Phe Pro Pro
225 230 235 240

Ile	Thr	Asn	Ser	Glu	Lys	Thr	Lys	Val	Lys	Lys	Thr	Thr	Ser	Asp	Leu	
				245					250						255	
Phe	Leu	Glu	Val	Thr	Ser	Ala	Thr	Ser	Leu	Gln	Ile	Cys	Lys	Asp	Val	
			260					265					270			
Met	Asp	Ala	Leu	Ile	Leu	Lys	Met	Ala	Glu	Met	Lys	Lys	Tyr	Thr	Leu	
		275					280					285				
Glu	Asn	Lys	Glu	Glu	Gly	Ser	Leu	Ser	Asp	Thr	Glu	Ala	Asp	Ala	Val	
	290					295					300					
Ser	Gly	Gln	Leu	Pro	Asp	Pro	Thr	Thr	Asn	Pro	Ser	Ala	Gly	Lys	Asp	
305					310					315					320	
Gly	Pro	Ser	Leu	Leu	Val	Val	Glu	Gln	Val	Arg	Val	Val	Asp	Leu	Glu	
			325						330					335		
Gly	Ser	Leu	Lys	Val	Val	Tyr	Pro	Ser	Lys	Ala	Asp	Leu	Ala	Thr	Ala	
		340						345					350			
Pro	Pro	His	Val	Thr	Val	Val	Xaa									
	355						360									

<210> 862

<211> 518

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (476)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 862

Gln	Tyr	Arg	Ser	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Pro	Ala	Val	Thr
1				5					10					15	
Ala	Thr	Ala	Ala	Ser	Asp	Arg	Met	Glu	Ser	Asp	Ser	Asp	Ser	Asp	Lys
			20					25					30		
Ser	Ser	Asp	Asn	Ser	Gly	Leu	Lys	Arg	Lys	Thr	Pro	Ala	Leu	Lys	Met
		35					40					45			
Ser	Val	Ser	Lys	Arg	Ala	Arg	Lys	Ala	Ser	Ser	Asp	Leu	Asp	Gln	Ala
	50					55					60				
Ser	Val	Ser	Pro	Ser	Glu	Glu	Glu	Asn	Ser	Glu	Ser	Ser	Ser	Glu	Ser
65					70					75				80	

Glu Lys Thr Ser Asp Gln Asp Phe Thr Pro Glu Lys Lys Ala Ala Val
85 90 95

Arg Ala Pro Arg Arg Gly Pro Leu Gly Gly Arg Lys Lys Lys Lys Ala
100 105 110

Pro Ser Ala Ser Asp Ser Asp Ser Lys Ala Asp Ser Asp Gly Ala Lys
115 120 125

Pro Glu Pro Val Ala Met Ala Arg Ser Ala Ser Ser Ser Ser Ser
130 135 140

Ser Ser Ser Ser Asp Ser Asp Val Ser Val Lys Lys Pro Pro Arg Gly
145 150 155 160

Arg Lys Pro Ala Glu Lys Pro Leu Pro Lys Pro Arg Gly Arg Lys Pro
165 170 175

Lys Pro Glu Arg Pro Pro Ser Ser Ser Ser Ser Asp Ser Asp Ser Asp
180 185 190

Glu Val Asp Arg Ile Ser Glu Trp Lys Arg Arg Asp Glu Ala Arg Arg
195 200 205

Arg Glu Leu Glu Ala Arg Arg Arg Arg Glu Gln Glu Glu Leu Arg
210 215 220

Arg Leu Arg Glu Gln Glu Lys Glu Glu Lys Glu Arg Arg Arg Glu Arg
225 230 235 240

Ala Asp Arg Gly Glu Ala Glu Arg Gly Ser Gly Gly Ser Ser Gly Asp
245 250 255

Glu Leu Arg Glu Asp Asp Glu Pro Val Lys Lys Arg Gly Arg Lys Gly
260 265 270

Arg Gly Arg Gly Pro Pro Ser Ser Ser Asp Ser Glu Pro Glu Ala Glu
275 280 285

Leu Glu Arg Glu Ala Lys Lys Ser Ala Lys Lys Pro Gln Ser Ser Ser
290 295 300

Thr Glu Pro Ala Arg Lys Pro Gly Gln Lys Glu Lys Arg Val Arg Pro
305 310 315 320

Glu Glu Lys Gln Gln Ala Lys Pro Val Lys Val Glu Arg Thr Arg Lys
325 330 335

Arg Ser Glu Gly Phe Ser Met Asp Arg Lys Val Glu Lys Lys Lys Glu
340 345 350

Pro Ser Val Glu Glu Lys Leu Gln Lys Leu His Ser Glu Ile Lys Phe
355 360 365

Ala Leu Lys Val Asp Ser Pro Asp Val Lys Arg Cys Leu Asn Ala Leu
370 375 380

Glu Glu Leu Gly Thr Leu Gln Val Thr Ser Gln Ile Leu Gln Lys Asn
385 390 395 400

Thr Asp Val Val Ala Thr Leu Lys Lys Ile Arg Arg Tyr Lys Ala Asn
405 410 415

Lys Asp Val Met Glu Lys Ala Ala Glu Val Tyr Thr Arg Leu Lys Ser
420 425 430

Arg Val Leu Gly Pro Lys Ile Glu Ala Val Gln Lys Val Asn Lys Ala
435 440 445

Gly Met Glu Lys Glu Lys Ala Glu Glu Lys Leu Ala Gly Glu Glu Leu
450 455 460

Ala Gly Glu Glu Ala Pro Gln Glu Lys Gly Gly Xaa Gln Ala Gln His
465 470 475 480

Arg Ser Leu Ser Pro Ser Glu Trp Arg Gly His Ile Thr Glu Gly Gly
485 490 495

Glu Arg Arg Gly Gln Gly Ala Arg Gly Gly Ser Gly Leu Gly Gly Gly
500 505 510

Ala Lys Val Trp Leu Leu
515

<210> 863

<211> 438

<212> PRT

<213> Homo sapiens

<400> 863

Val Lys Gly Gln Gly Arg Gly Ser Arg Gly Ala Thr His Ala Leu Glu
1 5 10 15

Ile Trp Val Ile Ala Ser Gly Arg Ser Ala Ser Pro Thr Pro Gln Thr
20 25 30

Arg Ala Ala Asp Asp Pro Ala Ala Ala Met Ala Leu Leu Arg Gly Val
35 40 45

Phe Val Val Ala Ala Lys Arg Thr Pro Phe Gly Ala Tyr Gly Gly Leu
50 55 60

Leu Lys Asp Phe Thr Ala Thr Asp Leu Ser Glu Phe Ala Ala Lys Ala
65 70 75 80

Ala Leu Ser Ala Gly Lys Val Ser Pro Glu Thr Val Asp Ser Val Ile
85 90 95

Met Gly Asn Val Leu Gln Ser Ser Ser Asp Ala Ile Tyr Leu Ala Arg
100 105 110

His Val Gly Leu Arg Val Gly Ile Pro Lys Glu Thr Pro Ala Leu Thr
115 120 125

Ile Asn Arg Leu Cys Gly Ser Gly Phe Gln Ser Ile Val Asn Gly Cys
130 135 140

Gln Glu Ile Cys Val Lys Glu Ala Glu Val Val Leu Cys Gly Gly Thr
145 150 155 160

Glu Ser Met Ser Gln Ala Pro Tyr Cys Val Arg Asn Val Arg Phe Gly
165 170 175

Thr Lys Leu Gly Ser Asp Ile Lys Leu Glu Asp Ser Leu Trp Val Ser
180 185 190

Leu Thr Asp Gln His Val Gln Leu Pro Met Ala Met Thr Ala Glu Asn
195 200 205

Leu Ala Val Lys His Lys Ile Ser Arg Glu Glu Cys Asp Lys Tyr Ala
210 215 220

Leu Gln Ser Gln Gln Arg Trp Lys Ala Ala Asn Asp Ala Gly Tyr Phe
225 230 235 240

Asn Asp Glu Met Ala Pro Ile Glu Val Lys Thr Lys Lys Gly Lys Gln
245 250 255

Thr Met Gln Val Asp Glu His Ala Arg Pro Gln Thr Thr Leu Glu Gln
260 265 270

Leu Gln Lys Leu Pro Pro Val Phe Lys Lys Asp Gly Thr Val Thr Ala
275 280 285

Gly Asn Ala Ser Gly Val Ala Asp Gly Ala Gly Ala Val Ile Ile Ala
290 295 300

Ser Glu Asp Ala Val Lys Lys His Asn Phe Thr Pro Leu Ala Arg Ile
305 310 315 320

Val Gly Tyr Phe Val Ser Gly Cys Asp Pro Ser Ile Met Gly Ile Gly
325 330 335

Pro Val Pro Ala Ile Ser Gly Ala Leu Lys Lys Ala Gly Leu Ser Leu
340 345 350

Lys Asp Met Asp Leu Val Glu Val Asn Glu Ala Phe Ala Pro Gln Tyr
355 360 365

Leu Ala Val Glu Arg Ser Leu Asp Leu Asp Ile Ser Lys Thr Asn Val
370 375 380

Asn Gly Gly Ala Ile Ala Leu Gly His Pro Leu Gly Gly Ser Gly Ser
385 390 395 400

Arg Ile Thr Ala His Leu Val His Glu Leu Arg Arg Arg Gly Gly Lys
405 410 415

Tyr Ala Val Gly Ser Ala Cys Ile Gly Gly Gly Gln Gly Ile Ala Val
420 425 430

Ile Ile Gln Ser Thr Ala
435

<210> 864

<211> 214

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 864

Thr Leu Phe Asp Phe Ile Ser Leu Tyr Leu Ser Thr Asn Thr Lys Lys
1 5 10 15

Val Ile Tyr Leu Asp Asp Asp Val Ile Val Gln Gly Asp Ile Gln Glu
20 25 30

Leu Tyr Asp Thr Thr Leu Ala Leu Gly His Ala Ala Ala Phe Ser Asp
35 40 45

Asp Cys Asp Leu Pro Ser Ala Gln Asp Ile Asn Arg Leu Val Gly Leu
50 55 60

Gln Asn Thr Tyr Met Gly Tyr Leu Asp Tyr Arg Lys Lys Ala Ile Lys
65 70 75 80

Asp Leu Gly Ile Ser Pro Ser Thr Cys Ser Phe Asn Pro Gly Val Ile
85 90 95

Val Ala Asn Met Thr Glu Trp Lys His Gln Arg Ile Thr Lys Gln Leu
100 105 110

Glu Lys Trp Met Gln Lys Asn Val Glu Glu Asn Leu Tyr Ser Ser Ser
115 120 125

Leu Gly Gly Gly Val Ala Thr Ser Pro Xaa Leu Ile Val Phe His Gly
130 135 140

Lys Tyr Ser Thr Ile Asn Pro Leu Trp His Ile Arg His Leu Gly Trp
145 150 155 160

Asn Pro Asp Ala Arg Tyr Ser Glu His Phe Leu Gln Glu Ala Lys Leu
165 170 175

Leu His Trp Asn Gly Arg His Lys Pro Trp Asp Phe Pro Ser Val His
180 185 190

Asn Asp Leu Trp Glu Ser Trp Phe Val Pro Asp Pro Ala Gly Ile Phe
195 200 205

Lys Leu Asn His His Ser
210

<210> 865

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (139)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 865

Gly Ser Thr His Ala Ser Asp His Ile Pro Pro Leu Lys Lys Pro Leu
 1 5 10 15

Gly Ala Gln Leu Ile Thr Met Asp Trp Thr Trp Arg Phe Leu Phe Val
 20 25 30

Val Ala Ala Ala Thr Gly Val Gln Ser Gln Val Gln Leu Val Gln Ser
 35 40 45

Gly Ala Glu Val Lys Lys Pro Gly Ser Ser Val Lys Val Ser Cys Lys
 50 55 60

Ala Ser Gly Gly Thr Phe Ser Ser Tyr Ala Ile Ser Trp Val Arg Gln
 65 70 75 80

Ala Pro Gly Gln Gly Leu Glu Trp Met Gly Gly Ile Ile Pro Ile Phe
 85 90 95

Gly Thr Ala Asn Tyr Ala Gln Lys Phe Gln Gly Arg Val Thr Ile Thr
 100 105 110

Ala Asp Glu Ser Thr Ser Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg
 115 120 125

Ser Glu Asp Thr Ala Xaa Tyr Tyr Cys Ala Xaa Xaa Pro Xaa Ala Gly
 130 135 140

Tyr Leu Ser Gln Leu Leu Pro Arg Tyr Gly Arg Leu Gly Pro Arg Asp
 145 150 155 160

His Gly His Arg Leu
 165

<210> 866

<211> 87

<212> PRT

<213> Homo sapiens

<400> 866

Lys Gln His Tyr Ile Ala Val Leu Tyr Tyr Ser Val Tyr Asp Val Cys
 1 5 10 15

Glu Asn Ala Arg Phe Lys Met Met Tyr Leu Phe Leu Val Lys Asn Lys
 20 25 30

Lys Phe Tyr Ala Ile Leu Leu Ile Lys Cys Lys Cys Asp Leu Val Gln
35 40 45
Phe Thr Lys Ile Thr Asp Ile Phe His Tyr Ile Glu Thr Val Thr Val
50 55 60
Arg Ile Gly His Lys His Gln Leu Leu Pro Ala Ser Gly Lys Leu Leu
65 70 75 80
Asn Arg Thr Ala Val Met Ser
85

<210> 867
<211> 101
<212> PRT
<213> Homo sapiens

<400> 867
Phe Phe Gln Lys Ile Met Leu Ser Phe His Glu Glu Gln Glu Val Leu
1 5 10 15
Pro Glu Thr Phe Leu Ala Asn Phe Pro Ser Leu Ile Lys Met Asp Ile
20 25 30
His Lys Lys Val Thr Asp Pro Ser Val Ala Lys Ser Met Met Ala Cys
35 40 45
Leu Leu Ser Ser Leu Lys Ala Asn Gly Ser Arg Gly Ala Phe Cys Glu
50 55 60
Val Arg Pro Asp Asp Lys Arg Ile Leu Glu Phe Tyr Ser Lys Leu Gly
65 70 75 80
Cys Phe Glu Ile Ala Lys Met Glu Gly Phe Pro Lys Asp Val Val Ile
85 90 95
Leu Gly Arg Ser Leu
100

<210> 868
<211> 82
<212> PRT
<213> Homo sapiens

<400> 868
Leu Leu Pro Gly Ser Ala Leu Pro Gly Ala Cys Pro Arg Arg Trp Tyr

1 5 10 15
 Gly Ser Tyr Leu Val Trp Lys Glu Leu Gly Gly Phe Thr Glu Lys Ala
 20 25 30
 Val Val Pro Leu Gly Leu Tyr Thr Gly Gln Leu Ala Leu Asn Trp Ala
 35 40 45
 Trp Pro Pro Ile Phe Phe Gly Ala Arg Gln Met Gly Trp Ala Leu Val
 50 55 60
 Asp Leu Leu Leu Val Ser Gly Ala Ala Ala Ala Leu Pro Trp Pro Gly
 65 70 75 80
 Thr Arg

<210> 869
 <211> 562
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 869
 Leu Lys Pro Glu Pro Asp Asp Leu Ile Asp Glu Asp Leu Asn Phe Val
 1 5 10 15
 Gln Xaa Asn Pro Leu Ser Xaa Lys Lys Pro Thr Val Thr Leu Thr Tyr
 20 25 30
 Gly Ser Ser Arg Pro Ser Ile Glu Ile Tyr Arg Pro Pro Ala Ser Arg
 35 40 45
 Asn Ala Asp Ser Gly Val His Leu Asn Arg Leu Gln Phe Gln Gln Gln
 50 55 60
 Gln Asn Ser Ile His Ala Ala Lys Gln Leu Asp Met Gln Ser Ser Trp
 65 70 75 80
 Val Tyr Glu Thr Gly Arg Leu Cys Glu Pro Glu Val Leu Asn Ser Leu

85 90 95
Glu Glu Thr Tyr Ser Pro Phe Phe Arg Asn Asn Ser Glu Lys Met Ser
100 105 110
Met Glu Asp Glu Asn Phe Arg Lys Arg Lys Leu Pro Val Val Ser Ser
115 120 125
Val Val Lys Val Lys Lys Phe Asn His Asp Gly Glu Glu Glu Glu
130 135 140
Asp Asp Asp Tyr Gly Ser Arg Thr Gly Ser Ile Ser Ser Ser Val Ser
145 150 155 160
Val Pro Ala Lys Pro Glu Arg Arg Pro Ser Leu Pro Pro Ser Lys Gln
165 170 175
Ala Asn Lys Asn Leu Ile Leu Lys Ala Ile Ser Glu Ala Gln Glu Ser
180 185 190
Val Thr Lys Thr Thr Asn Tyr Ser Thr Val Pro Gln Lys Gln Thr Leu
195 200 205
Pro Val Ala Pro Arg Thr Arg Thr Ser Gln Glu Glu Leu Leu Ala Glu
210 215 220
Val Val Gln Gly Gln Ser Arg Thr Pro Arg Ile Ser Pro Pro Ile Lys
225 230 235 240
Glu Glu Glu Thr Lys Gly Asp Ser Val Glu Lys Asn Gln Gly Thr Gln
245 250 255
Gln Arg Gln Leu Ser Arg Leu Gln Ile Asp Pro Val Met Ala Glu
260 265 270
Thr Leu Gln Met Ser Gln Asp Tyr Tyr Asp Met Glu Ser Met Val His
275 280 285
Ala Asp Thr Arg Ser Phe Ile Leu Lys Lys Pro Lys Leu Ser Glu Glu
290 295 300
Val Val Val Ala Pro Asn Gln Glu Ser Gly Met Lys Thr Ala Asp Ser
305 310 315 320
Leu Arg Val Leu Ser Gly His Leu Met Gln Thr Arg Asp Leu Val Gln
325 330 335
Pro Asp Lys Pro Ala Ser Pro Lys Phe Ile Val Thr Leu Asp Gly Val
340 345 350
Pro Ser Pro Pro Gly Tyr Met Ser Asp Gln Glu Glu Asp Met Cys Phe

355 360 365
 Glu Gly Met Lys Pro Val Asn Gln Thr Ala Ala Ser Asn Lys Gly Leu
 370 375 380
 Arg Gly Leu Leu His Pro Gln Gln Leu His Leu Leu Ser Arg Gln Leu
 385 390 395 400
 Glu Asp Pro Asn Gly Ser Phe Ser Asn Ala Glu Met Ser Glu Leu Ser
 405 410 415
 Val Ala Gln Lys Pro Glu Lys Leu Leu Glu Arg Cys Lys Tyr Trp Pro
 420 425 430
 Ala Cys Lys Asn Gly Asp Glu Cys Ala Tyr His His Pro Ile Ser Pro
 435 440 445
 Cys Lys Ala Phe Pro Asn Cys Lys Phe Ala Glu Lys Cys Leu Phe Val
 450 455 460
 His Pro Asn Cys Lys Tyr Asp Ala Lys Cys Thr Lys Pro Asp Cys Pro
 465 470 475 480
 Phe Thr His Val Ser Arg Arg Ile Pro Val Leu Ser Pro Lys Pro Val
 485 490 495
 Ala Pro Pro Ala Pro Pro Ser Ser Ser Gln Leu Cys Arg Tyr Phe Pro
 500 505 510
 Ala Cys Lys Lys Met Glu Cys Pro Phe Tyr His Pro Lys His Cys Arg
 515 520 525
 Phe Asn Thr Gln Cys Thr Arg Pro Asp Cys Thr Phe Tyr His Pro Thr
 530 535 540
 Ile Asn Val Pro Pro Arg His Ala Leu Lys Trp Ile Arg Pro Gln Thr
 545 550 555 560
 Ser Glu

<210> 870

<211> 191

<212> PRT

<213> Homo sapiens

<400> 870

Pro Asn Gly Ser Ser Asn Val Cys Val Ser Leu Cys Val Phe Val Cys
 1 5 10 15

Val Cys Ala Leu Lys Thr Ser Asn Ser Leu Glu Ala Trp Gly Gly Ile
 20 25 30
 Pro Ala Leu Pro Leu Ala Cys Leu Met His His Gln Met Thr Arg Thr
 35 40 45
 Thr Leu Met Thr Lys Gln His Glu Leu Gly Gly Leu Leu Ala Leu Val
 50 55 60
 Gln Asn Cys Gln Ser Glu Met Asn Ile Lys Asp Ser Arg Ala Val Gly
 65 70 75 80
 Leu Ser Val Lys Arg Leu Cys Ile Ser Phe Val Asp Glu Phe Cys Glu
 85 90 95
 Arg Thr Glu Arg Pro Leu Tyr Leu Ala Gln Gly Leu Phe Met Lys Arg
 100 105 110
 Glu Thr Tyr Trp Glu Val Gln Asp Ser Gly Ile Ser Pro Leu Leu Leu
 115 120 125
 Leu Leu Ser Thr Ala Leu Asp Cys Ser Pro Glu Ala Glu Thr Arg Gln
 130 135 140
 Ser Pro Gly Gly Arg Lys Met Leu Gln Glu Pro Thr Leu Ser Met Ser
 145 150 155 160
 Leu Gln Ile Leu Thr Gly Phe Leu Trp Val Gln Leu Trp Asn Trp Glu
 165 170 175
 Thr Phe Leu Arg Ile Arg Thr His Ser Thr Asp Ala Ser Cys Pro
 180 185 190

<210> 871

<211> 75

<212> PRT

<213> Homo sapiens

<400> 871

Leu Phe Lys Val Ser Asn Val His Pro Gly Leu Gly Ile Thr Asn Val
 1 5 10 15
 Gly Val Lys Met Pro Thr Lys Gly Phe Ser Ala Leu Glu Val Leu Arg
 20 25 30
 Ser Pro Ile Cys Ile Lys Ala Asp Pro Phe Cys Lys Asp Leu Ser Phe
 35 40 45

Arg Thr Phe Ser Val Leu Leu Val Arg Thr Leu Glu Val Ile Leu Ile
50 55 60

Ile Ser Thr Asp Ser Leu Thr Ala Glu Ala Thr
65 70 75

<210> 872

<211> 203

<212> PRT

<213> Homo sapiens

<400> 872

Asn Ser Ala Arg Gly Asp Gln Glu Ser Thr Cys Ala Glu Val Leu Val
1 5 10 15

Ile Trp Ser Leu Phe Pro Ser Gly Tyr Gln Leu Pro Ser Ala Ala Gln
20 25 30

Ala Val Val Pro Glu Ala Arg Gly Arg Ser Gln Thr Cys Gly Asn Phe
35 40 45

Ala Val Tyr Leu Gln Gly Cys Cys Phe Gln Gln Asp Pro Lys Leu Glu
50 55 60

Lys Glu Glu Glu Glu Thr Asp Pro Ile Ser Ala Arg Ser His Cys Ile
65 70 75 80

Gln Arg Arg Ile Ser Lys Lys Glu Lys Lys Glu Gly Arg Glu Val Asp
85 90 95

Arg Tyr Lys Met Lys Ser Cys Gln Lys Met Glu Gly Lys Pro Glu Asn
100 105 110

Glu Ser Glu Pro Lys His Glu Glu Glu Pro Lys Pro Glu Glu Lys Pro
115 120 125

Glu Glu Glu Glu Lys Leu Glu Glu Glu Ala Lys Ala Lys Gly Thr Phe
130 135 140

Arg Glu Arg Leu Ile Gln Ser Leu Gln Glu Phe Lys Glu Asp Ile His
145 150 155 160

Asn Arg His Leu Ser Asn Glu Asp Met Phe Arg Glu Val Asp Glu Ile
165 170 175

Asp Glu Ile Arg Arg Val Arg Asn Lys Leu Ile Val Met Arg Trp Lys
180 185 190

Val Asn Arg Asn His Pro Tyr Pro Tyr Leu Met

195

200

<210> 873
<211> 66
<212> PRT
<213> Homo sapiens

<400> 873
Ser Leu Gln Pro Leu Pro Pro Arg Phe Lys Gln Phe Leu Cys Leu Ser
1 5 10 15
Leu Pro Ser Asn Trp Asp Tyr Arg Cys Thr Leu Pro His Leu Ala Asp
20 25 30
Phe Phe Tyr Val Leu Val Glu Thr Gly Phe Gln Pro Cys Cys Pro Gly
35 40 45
Trp Ser Gln Thr Pro Glu Leu Arg Gln Ser Thr Arg Leu Gly Leu Pro
50 55 60
Lys Cys
65

<210> 874
<211> 231
<212> PRT
<213> Homo sapiens

<400> 874
Val Lys Leu Lys Glu Glu Phe Ser Leu Ser Gly Arg Ile Ile Asp Cys
1 5 10 15
Ala Phe Thr Val Thr Phe Asn Pro Lys Tyr Asp Thr Leu Leu Lys Ala
20 25 30
Val Lys Asp Ala Thr Asn Thr Gly Ile Lys Cys Ala Gly Ile Asp Val
35 40 45
Arg Leu Cys Asp Val Gly Glu Ala Ile Gln Glu Val Met Glu Ser Tyr
50 55 60
Glu Val Glu Ile Asp Gly Lys Thr Tyr Gln Val Lys Pro Ile Arg Asn
65 70 75 80
Leu Asn Gly His Ser Ile Gly Gln Tyr Arg Ile His Ala Gly Lys Thr
85 90 95

Val Pro Ile Val Lys Gly Gly Glu Ala Thr Arg Met Glu Glu Gly Glu
100 105 110
Val Tyr Ala Ile Glu Thr Phe Gly Ser Thr Gly Lys Gly Val Val His
115 120 125
Asp Asp Met Glu Cys Ser His Tyr Met Lys Asn Phe Asp Val Gly His
130 135 140
Val Pro Ile Arg Leu Pro Arg Thr Lys His Leu Leu Asn Val Ile Asn
145 150 155 160
Glu Asn Phe Gly Thr Leu Ala Phe Cys Arg Arg Trp Leu Asp Arg Leu
165 170 175
Gly Glu Ser Lys Tyr Leu Met Ala Leu Lys Asn Leu Cys Asp Leu Gly
180 185 190
Ile Val Asp Pro Tyr Pro Pro Leu Cys Asp Ile Lys Gly Ser Tyr Thr
195 200 205
Ala Gln Phe Glu His Thr Ile Leu Leu Arg Pro Thr Cys Lys Glu Val
210 215 220
Val Ser Arg Gly Asp Asp Tyr
225 230

<210> 875

<211> 88

<212> PRT

<213> Homo sapiens

<400> 875

Cys Leu Tyr Tyr Gln Val Leu Ser Thr Ile Leu Ile Thr Asn Cys Asp
1 5 10 15
Lys Phe Phe Leu Phe Phe Phe Pro Leu Pro His Tyr Phe Leu Met Asn
20 25 30
Lys Pro Lys Ile His Gly Glu Gln Leu Gln Cys Trp Leu Ile Tyr Leu
35 40 45
Leu Cys Thr Gly Asn Leu Lys Arg Thr Val Asp Ser Phe Arg Ser Val
50 55 60
Thr Gly Ala Val Ile Ile Ala Ile His Leu Leu Val Val Leu His Leu
65 70 75 80
Phe His Ala Ser Phe Leu Asn Val

85

<210> 876
<211> 330
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (174)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (194)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 876
Asn Ser Ala Arg Ala Val Gln Gly Leu Leu Glu Val Ala Lys Asp Ser
1 5 10 15
Ile Pro Arg Ser His Trp Lys Lys Thr Pro Val Val Leu Lys Ala Thr
20 25 30

Ala Gly Leu Arg Leu Leu Pro Glu His Lys Ala Lys Ala Leu Leu Phe
35 40 45

Glu Val Lys Glu Ile Phe Arg Lys Ser Pro Phe Leu Val Pro Lys Gly
50 55 60

Ser Val Ser Ile Met Asp Gly Ser Asp Glu Gly Ile Leu Ala Trp Val
65 70 75 80

Thr Val Asn Phe Leu Thr Gly Gln Leu His Gly His Arg Gln Glu Thr
85 90 95

Xaa Gly Thr Leu Asp Leu Gly Gly Ala Xaa Thr Gln Ile Thr Phe Leu
100 105 110

Pro Gln Phe Glu Lys Thr Leu Glu Gln Thr Pro Xaa Gly Tyr Leu Thr
115 120 125

Ser Phe Glu Met Phe Asn Ser Thr Tyr Xaa Leu Tyr Thr His Ser Tyr
130 135 140

Leu Gly Phe Gly Leu Lys Ala Ala Arg Leu Ala Thr Leu Gly Ala Leu
145 150 155 160

Glu Thr Glu Gly Thr Asp Gly His Thr Phe Arg Ser Ala Xaa Leu Pro
165 170 175

Arg Xaa Leu Glu Ala Glu Trp Ile Phe Gly Gly Val Lys Tyr Gln Tyr
180 185 190

Gly Xaa Asn Gln Glu Gly Glu Val Gly Phe Glu Pro Cys Tyr Ala Glu
195 200 205

Val Leu Arg Val Val Arg Gly Lys Leu His Gln Pro Glu Glu Val Gln
210 215 220

Arg Gly Ser Phe Tyr Ala Phe Ser Tyr Tyr Tyr Asp Arg Ala Val Asp
225 230 235 240

Thr Asp Met Ile Asp Tyr Glu Lys Gly Gly Ile Leu Lys Val Glu Asp
245 250 255

Phe Glu Arg Lys Ala Arg Glu Val Cys Asp Asn Leu Glu Asn Phe Thr
260 265 270

Ser Gly Ser Pro Phe Leu Cys Met Asp Leu Ser Tyr Ile Thr Ala Leu
275 280 285

Leu Lys Asp Gly Phe Gly Phe Ala Asp Ser Thr Val Leu Gln Leu Thr
290 295 300

Lys Lys Val Asn Asn Ile Glu Thr Gly Trp Ala Leu Gly Ala Thr Phe
305 310 315 320

His Leu Leu Gln Ser Leu Gly Ile Ser His
325 330

<210> 877

<211> 102

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 877

Asp Leu His Ser Gln Trp Gly Thr Trp Pro Pro Ile Leu Gly Asp Leu
1 5 10 15

Arg Lys Arg Thr Ser Pro Trp Gly Glu Gly Trp Val Gly Pro Glu Gly
20 25 30

Pro Val Pro Ser Ser Val Leu Arg Gly Arg Ala Thr Cys Ser Asn Gly
35 40 45

Ile Cys Ile Leu Ala Pro Leu His Leu Leu Ser Pro Ala Glu Ser Phe
50 55 60

Pro Ser Lys Pro Lys Ser Cys His Cys Phe Phe Leu-Pro Gly Lys Asn
65 70 75 80

Ala Trp Thr Leu Pro Gly Asp Arg Leu Lys Pro Glu Gln Cys His Thr
85 90 95

Leu Ala Leu Xaa Pro Cys
100

<210> 878

<211> 135

<212> PRT

<213> Homo sapiens

<400> 878

Thr Leu Glu Ser Lys Ala Asp Thr Glu Ala Ser Arg Leu Gln Glu Tyr
1 5 10 15

Arg Ser Gln Val Leu Ser Val Gly Leu Gly Cys Val Ser Trp Gly Lys
 20 25 30
 Lys Asn Cys Glu Lys Pro Gln Ser Ser Ile Phe Thr Val Thr His Gly
 35 40 45
 Arg Ser Leu Asn Cys Leu Val Asn Lys Asn Glu Ser Leu Ser Gln Arg
 50 55 60
 Lys Pro Arg Gln Tyr Pro Ser Ser Thr Thr Cys Glu Asn Pro Asp Val
 65 70 75 80
 Pro Gln Gln Arg Lys Thr Leu Gln Ala Gly Lys Met Arg Arg Phe Phe
 85 90 95
 Phe Phe Val Ser Met Met Ile Phe Ala Ala Thr Trp Leu Trp Arg Ala
 100 105 110
 Ala Asp Thr Pro Ser Tyr Ser Arg Gly Cys Phe Leu Glu Ala Asp Ser
 115 120 125
 Val Cys Ser Leu Val Glu Leu
 130 135

<210> 879

<211> 175

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 879

Val Ile Cys Met Trp Gln Gly Cys Ala Val Glu Arg Pro Val Gly Arg
 1 5 10 15
 Met Thr Ser Gln Thr Pro Leu Pro Gln Ser Pro Arg Pro Arg Pro
 20 25 30
 Thr Met Ser Thr Val Val Glu Leu Asn Val Gly Gly Glu Phe His Thr
 35 40 45
 Thr Thr Leu Gly Thr Leu Arg Lys Phe Pro Gly Ser Lys Leu Ala Glu
 50 55 60
 Met Phe Ser Ser Leu Ala Lys Ala Ser Thr Asp Ala Glu Gly Arg Phe
 65 70 75 80

Phe Ile Asp Arg Pro Ser Thr Tyr Phe Arg Pro Ile Leu Asp Tyr Leu
 85 90 95
 Arg Thr Gly Gln Val Pro Thr Gln His Ile Pro Glu Val Tyr Arg Glu
 100 105 110
 Ala Gln Phe Tyr Glu Ile Lys Pro Leu Val Lys Leu Leu Glu Asp Met
 115 120 125
 Pro Gln Ile Phe Gly Glu Gln Val Ser Arg Lys Gln Phe Leu Leu Gln
 130 135 140
 Cys Arg Ala Thr Ala Arg Thr Trp Glu Leu Met Val Arg Leu Ala Arg
 145 150 155 160
 Ala Glu Ala Ile Thr Ala Arg Xaa Ser Arg Cys Leu Cys Ala Trp
 165 170 175

<210> 880
 <211> 397
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (311)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 880
 Trp Glu Tyr Asp Met Ala Arg Glu Leu Arg Ala Leu Leu Trp Gly
 1 5 10 15
 Arg Arg Leu Arg Pro Leu Leu Arg Ala Pro Ala Leu Ala Val Pro
 20 25 30
 Gly Gly Lys Pro Ile Leu Cys Pro Arg Arg Thr Thr Ala Gln Leu Gly
 35 40 45
 Pro Arg Arg Asn Pro Ala Trp Ser Leu Gln Ala Gly Arg Leu Phe Ser
 50 55 60
 Thr Gln Thr Ala Glu Asp Lys Glu Glu Pro Leu His Ser Ile Ile Ser
 65 70 75 80
 Ser Thr Glu Ser Val Gln Gly Ser Thr Ser Lys His Glu Phe Gln Ala
 85 90 95
 Glu Thr Lys Lys Leu Leu Asp Ile Val Ala Arg Ser Leu Tyr Ser Glu

100 105 110
Lys Glu Val Phe Ile Arg Glu Leu Ile Ser Asn Ala Ser Asp Ala Leu
115 120 125
Glu Lys Leu Arg His Lys Leu Val Ser Asp Gly Gln Ala Leu Pro Glu
130 135 140
Met Glu Ile His Leu Gln Thr Asn Ala Glu Lys Gly Thr Ile Thr Ile
145 150 155 160
Gln Asp Thr Gly Ile Gly Met Thr Gln Glu Glu Leu Val Ser Asn Leu
165 170 175
Gly Thr Ile Ala Arg Ser Gly Ser Lys Ala Phe Leu Asp Ala Leu Gln
180 185 190
Asn Gln Ala Glu Ala Ser Ser Lys Ile Ile Gly Gln Phe Gly Val Gly
195 200 205
Phe Tyr Ser Ala Phe Met Val Ala Asp Arg Val Glu Val Tyr Ser Arg
210 215 220
Ser Ala Ala Pro Gly Ser Leu Gly Tyr Gln Trp Leu Ser Asp Gly Ser
225 230 235 240
Gly Val Phe Glu Ile Ala Glu Ala Ser Gly Val Arg Thr Gly Thr Lys
245 250 255
Ile Ile Ile His Leu Lys Ser Asp Cys Lys Glu Phe Ser Ser Glu Ala
260 265 270
Arg Val Arg Asp Val Val Thr Lys Tyr Ser Asn Phe Val Ser Phe Pro
275 280 285
Leu Tyr Leu Asn Gly Arg Arg Met Asn Thr Leu Gln Ala Ile Trp Met
290 295 300
Met Asp Pro Lys Asp Val Xaa Glu Trp Gln His Glu Glu Phe Tyr Arg
305 310 315 320
Tyr Val Ala Gln Ala His Asp Lys Pro Arg Tyr Thr Leu His Tyr Lys
325 330 335
Thr Asp Ala Pro Leu Asn Ile Arg Ser Ile Phe Tyr Val Pro Asp Met
340 345 350
Lys Pro Ser Met Phe Asp Val Ser Arg Glu Leu Gly Ser Ser Val Cys
355 360 365
Thr Val Gln Pro Gln Ser Pro His Pro Asp Gln Gly His Gly His Pro

370 375 380

Ala Gln Val Ala Ala Leu His Pro Arg Cys Gly Gly Gln
385 390 395

<210> 881

<211> 187

<212> PRT

<213> Homo sapiens

<400> 881

Ile Ser Leu Phe Pro Pro Pro Gly Pro Gln Leu Cys Leu Pro Asp Lys
1 5 10 15

Glu Gly Gln His Ser Lys Ser Arg Ser Ala Ile Tyr Leu Pro Val Arg
20 25 30

Ser Thr Asn Ser Ser Val Arg Lys Met Ala Gly Asn Ser Ile Leu Leu
35 40 45

Ala Ala Val Ser Ile Leu Ser Ala Cys Gln Gln Ser Tyr Phe Ala Leu
50 55 60

Gln Val Gly Lys Ala Arg Leu Lys Tyr Lys Val Thr Pro Pro Ala Val
65 70 75 80

Thr Gly Ser Pro Glu Phe Glu Arg Val Phe Arg Ala Gln Gln Asn Cys
85 90 95

Val Glu Phe Tyr Pro Ile Phe Ile Ile Thr Leu Trp Met Ala Gly Trp
100 105 110

Tyr Phe Asn Gln Val Phe Ala Thr Cys Leu Gly Leu Val Tyr Ile Tyr
115 120 125

Gly Arg His Leu Tyr Phe Trp Gly Tyr Ser Glu Ala Ala Lys Lys Arg
130 135 140

Ile Thr Gly Phe Arg Leu Ser Leu Gly Ile Leu Ala Leu Leu Thr Leu
145 150 155 160

Leu Gly Ala Leu Gly Ile Ala Asn Ser Phe Leu Asp Glu Tyr Leu Asp
165 170 175

Leu Asn Ile Ala Lys Lys Leu Arg Arg Gln Phe
180 185

<210> 882
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 882
Thr Thr Asn Ile Gln Gln Gly His Phe Leu Lys Arg Glu Ser Ala Phe
1 5 10 15
Asn Glu Met Thr Met Val Asp Thr Glu Met Pro Phe Trp Pro Thr Asn
20 25 30
Phe Gly Ile Ser Ser Val Asp Leu Ser Val Met Glu Asp His Ser His
35 40 45
Ser Phe Asp Ile Lys Pro Phe Thr Thr Val Asp Phe Ser Ser Ile Ser
50 55 60
Thr Pro His Tyr Glu Asp Ile Pro Phe Thr Arg Thr Asp Pro Val Val
65 70 75 80
Ala Asp Tyr Lys Tyr Asp Leu Lys Leu Gln Glu Tyr Gln Ser Ala Xaa
85 90 95
Lys Val Glu Pro Ala Ser Pro Pro Tyr Tyr Ser Glu Lys Thr Gln Xaa
100 105 110
Tyr Asn Lys Pro His Glu Glu Pro Ser Asn Ser Leu Met Ala Ile Glu
115 120 125

<210> 883
<211> 81
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 883
 Ser Asn Glu Phe Ile Thr Asn Phe Xaa Gln Ala Leu Ser Gly Tyr Cys
 1 5 10 15

 Gly Phe Met Ala Ala Xaa Leu Tyr Ala Arg Ser Ile Phe Gly Glu Asp
 20 25 30

 Ala Leu Ala Asn Val Ser Ile Glu Lys Pro Ile His Gln Gly Pro Asp
 35 40 45

 Ala Ala Val Thr Gly His Ile Arg Ile Arg Ala Lys Ser Gln Gly Met
 50 55 60

 Ala Leu Ser Leu Gly Asp Lys Ile Asn Leu Ser Gln Lys Lys Thr Ser
 65 70 75 80

 Ile

<210> 884
 <211> 293
 <212> PRT
 <213> Homo sapiens

 <400> 884
 Gly Ala Asn Asn Gly Gly Ser Lys Leu Thr Gln Thr Pro Lys Leu Gln
 1 5 10 15

 Glu Leu Met Lys Val Leu Ile Asp Trp Ile Asn Asp Val Leu Val Gly
 20 25 30

 Glu Arg Ile Ile Val Lys Asp Leu Ala Glu Asp Leu Tyr Asp Gly Gln
 35 40 45

 Val Leu Gln Lys Leu Phe Glu Lys Leu Glu Ser Glu Lys Leu Asn Val
 50 55 60

 Ala Glu Val Thr Gln Ser Glu Ile Ala Gln Lys Gln Lys Leu Gln Thr
 65 70 75 80

Val Leu Glu Lys Ile Asn Glu Thr Leu Lys Leu Pro Pro Arg Ser Ile
 85 90 95
 Lys Trp Asn Val Asp Ser Val His Ala Lys Ser Leu Val Ala Ile Leu
 100 105 110
 His Leu Leu Val Ala Leu Ser Gln Tyr Phe Arg Ala Pro Ile Arg Leu
 115 120 125
 Pro Asp His Val Ser Ile Gln Val Val Val Val Gln Lys Arg Glu Gly
 130 135 140
 Ile Leu Gln Ser Arg Gln Ile Gln Glu Glu Ile Thr Gly Asn Thr Glu
 145 150 155 160
 Ala Leu Ser Gly Arg His Glu Arg Asp Ala Phe Asp Thr Leu Phe Asp
 165 170 175
 His Ala Pro Asp Lys Leu Asn Val Val Lys Lys Thr Leu Ile Thr Phe
 180 185 190
 Val Asn Lys His Leu Asn Lys Leu Asn Leu Glu Val Thr Glu Leu Glu
 195 200 205
 Thr Gln Phe Ala Asp Gly Val Tyr Leu Val Leu Leu Met Gly Leu Leu
 210 215 220
 Glu Gly Tyr Phe Val Pro Leu His Ser Phe Phe Leu Thr Pro Asp Ser
 225 230 235 240
 Phe Glu Gln Lys Val Leu Asn Val Ser Phe Ala Phe Glu Leu Met Gln
 245 250 255
 Asp Gly Gly Leu Glu Lys Pro Lys Pro Arg Pro Glu Asp Ile Val Asn
 260 265 270
 Cys Asp Leu Lys Ser Thr Leu Arg Val Leu Tyr Asn Leu Phe Thr Lys
 275 280 285
 Tyr Arg Asn Val Glu
 290

<210> 885

<211> 116

<212> PRT

<213> Homo sapiens

<400> 885

Tyr Val Tyr Leu Ile Ile Leu Pro Leu Ala Lys Cys Tyr Val Cys Lys

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      1             5             10             15
Met Trp His Leu Leu Val Phe Ile Val Cys Val Phe Phe Val Tyr Tyr
      20             25             30

Thr Leu Gly Asn Phe Val Leu Pro Lys Lys Lys Lys Gly Ser Val
      35             40             45

Met Ser Asp Thr Gln Glu Lys Gln Ile Ser Val Val Ser Leu Lys Tyr
      50             55             60

Asn Phe Lys Gly His Tyr Gln Gln Gln Gly Phe Phe Tyr Thr Leu Lys
      65             70             75             80

Thr Leu Cys Tyr Ile Ser Leu Pro Phe Ser Tyr Phe Gly Val Leu Leu
      85             90             95

Leu Leu Tyr Asn Gly Ile Asn Gly Asn Val Ile Gln Pro Leu Asn Cys
      100            105            110

His Tyr Tyr Ile
      115

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<210> 886

<211> 80

<212> PRT

<213> Homo sapiens

<400> 886

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Tyr Glu His Leu Phe Tyr Lys Phe Tyr Lys Ser Met Leu Asn Leu Arg
      1             5             10             15

Lys Thr Lys Gln Val Cys Leu Tyr Ser Gln Lys Leu Cys His Leu Ser
      20             25             30

Gln Tyr Asp Phe Asn Met Cys Ile Asn Gly Lys Gln Gly Lys Val Phe
      35             40             45

Ser Asn Ile Thr Val Leu Leu Gly Asn Leu Cys Arg Val His Ile Asn
      50             55             60

Ala Ser Tyr Ile Thr Leu Ile Cys Phe Leu Cys Trp Pro Tyr Arg Gly
      65             70             75             80

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<210> 887
<211> 416
<212> PRT
<213> Homo sapiens

<400> 887

Thr Phe Pro Pro Glu Phe Val Ile Pro Leu Ser Glu Val Thr Cys Glu
1 5 10 15
Thr Gly Glu Thr Val Val Leu Arg Cys Arg Val Cys Gly Arg Pro Lys
20 25 30
Ala Ser Ile Thr Trp Lys Gly Pro Glu His Asn Thr Leu Asn Asn Asp
35 40 45
Gly His Tyr Ser Ile Ser Tyr Ser Asp Leu Gly Glu Ala Thr Leu Lys
50 55 60
Ile Val Gly Val Thr Thr Glu Asp Asp Gly Ile Tyr Thr Cys Ile Ala
65 70 75 80
Val Asn Asp Met Gly Ser Ala Ser Ser Ser Ala Ser Leu Arg Val Leu
85 90 95
Gly Pro Gly Met Asp Gly Ile Met Val Thr Trp Lys Asp Asn Phe Asp
100 105 110
Ser Phe Tyr Ser Glu Val Ala Glu Leu Gly Arg Gly Arg Phe Ser Val
115 120 125
Val Lys Lys Cys Asp Gln Lys Gly Thr Lys Arg Ala Val Ala Thr Lys
130 135 140
Phe Val Asn Lys Lys Leu Met Lys Arg Asp Gln Val Thr His Glu Leu
145 150 155 160
Gly Ile Leu Gln Ser Leu Gln His Pro Leu Leu Val Gly Leu Leu Asp
165 170 175
Thr Phe Glu Thr Pro Thr Ser Tyr Ile Leu Val Leu Glu Met Ala Asp
180 185 190
Gln Gly Arg Leu Leu Asp Cys Val Val Arg Trp Gly Ser Leu Thr Glu
195 200 205
Gly Lys Ile Arg Ala His Leu Gly Glu Val Leu Glu Ala Val Arg Tyr
210 215 220
Leu His Asn Cys Arg Ile Ala His Leu Asp Leu Lys Pro Glu Asn Ile
225 230 235 240

Leu Val Asp Glu Ser Leu Ala Lys Pro Thr Ile Lys Leu Ala Asp Phe
245 250 255

Gly Asp Ala Val Gln Leu Asn Thr Thr Tyr Tyr Ile His Gln Leu Leu
260 265 270

Gly Asn Pro Glu Phe Ala Ala Pro Glu Ile Ile Leu Gly Asn Pro Val
275 280 285

Ser Leu Thr Ser Asp Thr Trp Ser Val Gly Val Leu Thr Tyr Val Leu
290 295 300

Leu Ser Gly Val Ser Pro Phe Leu Asp Asp Ser Val Glu Glu Thr Cys
305 310 315 320

Leu Asn Ile Cys Arg Leu Asp Phe Ser Phe Pro Asp Asp Tyr Phe Lys
325 330 335

Gly Val Ser Gln Lys Ala Lys Glu Phe Val Cys Phe Ser Cys Arg Arg
340 345 350

Thr Pro Pro Ser Val Pro Arg Leu Arg Trp Pro Ser Arg Ser Ser Gly
355 360 365

Cys Arg Pro Ala Thr Ala Glu Ser Thr Gly Val Leu Asp Thr Ser Arg
370 375 380

Leu Thr Ser Phe Ile Glu Arg Arg Lys His Gln Asn Asp Val Arg Pro
385 390 395 400

Ile Arg Ser Ile Lys Asn Phe Leu Gln Ser Arg Leu Leu Pro Arg Val
405 410 415

<210> 888

<211> 368

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (196)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 888

Arg Gln Arg Arg Lys Gly Gly Gln Glu Arg Gly Arg Arg Gly Lys Met
1 5 10 15

Ala Ala Thr Lys Arg Lys Arg Arg Gly Gly Phe Ala Val Gln Ala Lys
20 25 30
Lys Pro Lys Arg Asn Glu Ile Asp Ala Glu Pro Pro Ala Lys Arg His
35 40 45
Ala Thr Ala Glu Glu Val Glu Glu Glu Glu Arg Asp Arg Ile Pro Gly
50 55 60
Pro Val Cys Lys Gly Lys Trp Lys Asn Lys Glu Arg Ile Leu Ile Phe
65 70 75 80
Ser Ser Arg Gly Ile Asn Phe Arg Thr Arg His Leu Met Gln Asp Leu
85 90 95
Arg Met Leu Met Pro His Ser Lys Ala Asp Thr Lys Met Asp Arg Lys
100 105 110
Asp Lys Leu Phe Val Ile Asn Glu Val Cys Glu Met Lys Asn Cys Asn
115 120 125
Lys Cys Ile Tyr Phe Glu Ala Lys Lys Lys Gln Asp Leu Tyr Met Trp
130 135 140
Leu Ser Asn Ser Pro His Gly Pro Ser Ala Lys Phe Leu Val Gln Asn
145 150 155 160
Ile His Thr Leu Ala Glu Leu Lys Met Thr Gly Asn Cys Leu Lys Gly
165 170 175
Ser Arg Pro Leu Leu Ser Phe Asp Pro Ala Phe Asp Glu Leu Pro His
180 185 190
Tyr Ala Leu Xaa Lys Glu Leu Leu Ile Gln Ile Phe Ser Thr Pro Arg
195 200 205
Tyr His Pro Lys Ser Gln Pro Phe Val Asp His Val Phe Thr Phe Thr
210 215 220
Ile Leu Asp Asn Arg Ile Trp Phe Arg Asn Phe Gln Ile Ile Glu Glu
225 230 235 240
Asp Ala Ala Leu Val Glu Ile Gly Pro Arg Phe Val Leu Asn Leu Ile
245 250 255
Lys Ile Phe Gln Gly Ser Phe Gly Gly Pro Thr Leu Tyr Glu Asn Pro
260 265 270
His Tyr Gln Ser Pro Asn Met His Arg Arg Val Ile Arg Ser Ile Thr
275 280 285

Ala Ala Lys Tyr Arg Glu Lys Gln Gln Val Lys Asp Val Gln Lys Leu
 290 295 300

Arg Lys Lys Glu Pro Lys Thr Leu Leu Pro His Asp Pro Thr Ala Asp
 305 310 315 320

Val Phe Val Thr Pro Ala Glu Glu Lys Pro Ile Glu Ile Gln Trp Val
 325 330 335

Lys Pro Glu Pro Lys Val Asp Leu Lys Ala Arg Lys Lys Arg Ile Tyr
 340 345 350

Lys Arg Gln Arg Lys Met Lys Gln Arg Met Asp Ser Gly Lys Thr Lys
 355 360 365

<210> 889

<211> 273

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 889

Leu Ala Ser Ala Trp Cys Ser Cys Ala Arg Val Ser Ala Gly Ser Ala
 1 5 10 15

Leu Arg Phe Pro Gly Met Glu Ser Glu Met Glu Thr Gln Ser Ala Xaa
 20 25 30

Ala Glu Glu Gly Phe Thr Gln Val Thr Arg Lys Gly Gly Arg Arg Ala
 35 40 45

Lys Lys Arg Gln Ala Glu Gln Leu Ser Ala Ala Gly Glu Gly Gly Asp
 50 55 60

Ala Gly Arg Met Asp Thr Glu Glu Ala Arg Pro Ala Lys Arg Pro Val
 65 70 75 80

Phe Pro Pro Leu Cys Gly Asp Gly Leu Leu Ser Gly Lys Glu Glu Thr
 85 90 95

Arg Lys Ile Pro Val Pro Ala Asn Arg Tyr Thr Pro Leu Lys Glu Asn

100 105 110
 Trp Met Lys Ile Phe Thr Pro Ile Val Glu His Leu Gly Leu Gln Ile
 115 120 125
 Arg Phe Asn Leu Lys Ser Arg Asn Val Glu Ile Arg Thr Cys Lys Glu
 130 135 140
 Thr Lys Asp Val Ser Ala Leu Thr Lys Ala Ala Asp Phe Val Lys Ala
 145 150 155 160
 Phe Ile Leu Gly Phe Gln Val Glu Asp Ala Leu Ala Leu Ile Arg Leu
 165 170 175
 Asp Asp Leu Phe Leu Glu Ser Phe Glu Ile Thr Asp Val Lys Pro Leu
 180 185 190
 Lys Gly Asp His Leu Ser Arg Ala Ile Gly Arg Ile Ala Gly Lys Gly
 195 200 205
 Gly Lys Thr Lys Phe Thr Ile Glu Asn Val Thr Arg Thr Arg Ile Val
 210 215 220
 Leu Ala Asp Val Lys Val His Ile Leu Gly Ser Phe Gln Asn Ile Lys
 225 230 235 240
 Met Ala Arg Thr Ala Ile Cys Asn Leu Ile Leu Gly Asn Pro Pro Ser
 245 250 255
 Lys Val Tyr Gly Asn Ile Arg Ala Val Ala Ser Arg Ser Ala Asp Arg
 260 265 270
 Phe

<210> 890
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 890
 Val Thr Ser Lys Thr Gln Val Gly Leu Phe Lys Phe Leu Lys Phe Glu
 1 5 10 15
 Ile Phe Tyr Leu Gln Lys Ile Val Leu Cys Phe Ile Ile Ser Gln Met
 20 25 30
 Ser Val Arg Phe Leu Ser Thr Asn Asp His Ala Ser Ile Phe Phe Ser
 35 40 45

Phe Lys Pro Pro Asn Gln Tyr Phe Ser Phe Lys Phe
 50 55 60

<210> 891

<211> 257

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (224)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 891

Ala Arg Gly Ala Val Thr Arg Phe Pro Pro Arg Ser Leu Gly Arg Cys
 1 5 10 15

His Gly Phe Gly Val Gly Asp Arg Ala Val Thr Met Ala Arg Leu Ala
 20 25 30

Leu Ser Pro Val Pro Ser His Trp Met Val Ala Leu Leu Leu Leu
 35 40 45

Ser Ala Ala Glu Pro Val Pro Ala Ala Arg Ser Glu Asp Arg Tyr Arg
 50 55 60

Asn Pro Lys Gly Ser Ala Cys Ser Arg Ile Trp Gln Ser Pro Arg Phe
 65 70 75 80

Ile Ala Arg Lys Arg Gly Phe Thr Val Lys Met His Cys Tyr Met Asn
 85 90 95

Ser Ala Ser Gly Asn Val Ser Trp Leu Trp Lys Gln Glu Met Asp Glu
 100 105 110

Asn Pro Gln Gln Leu Lys Leu Glu Lys Gly Arg Met Glu Glu Ser Gln
 115 120 125

Asn Glu Ser Leu Ala Thr Leu Thr Ile Gln Gly Ile Arg Phe Glu Asp
 130 135 140

Asn Gly Ile Tyr Phe Cys Gln Gln Lys Cys Asn Asn Thr Ser Glu Val
 145 150 155 160

Tyr Gln Gly Cys Gly Thr Glu Leu Arg Val Met Gly Phe Ser Thr Leu
 165 170 175

Ala Gln Leu Lys Gln Arg Asn Thr Leu Lys Asp Gly Ile Ile Met Ile

180 185 190
 Gln Thr Leu Leu Ile Ile Leu Phe Ile Ile Val Pro Ile Phe Leu Leu
 195 200 205
 Leu Asp Lys Asp Asp Ser Lys Ala Gly Met Glu Glu Asp His Thr Xaa
 210 215 220
 Glu Gly Leu Asp Ile Asp Gln Thr Ala Thr Tyr Glu Asp Ile Val Thr
 225 230 235 240
 Leu Arg Thr Gly Glu Val Lys Trp Ser Val Gly Glu His Pro Gly Gln
 245 250 255
 Glu

<210> 892
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 892
 Cys His Ser Cys Tyr Gln Ala Val Pro Leu Pro Gly Val His Ile Gly
 1 5 10 15
 Leu Thr Gly Leu Ser Ile Phe Leu Phe Leu Ile Phe Glu Phe Tyr His
 20 25 30
 Leu Ala Leu Asn Cys Ser Thr Trp Ile Trp Gly Ser Ser Leu Cys Pro
 35 40 45
 Lys Asp Leu Leu
 50

<210> 893
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 893
 Gly Arg Glu Gly Arg Glu Glu Arg Glu Asp Lys Glu Ser Pro Thr Ser
 1 5 10 15
 Phe Gln Asn Val Met Arg Ile Leu Ser Thr Tyr Gly Pro Trp His Asp
 20 25 30

His Met Thr Cys Arg Ala Pro Val Ile Glu Leu Ile Phe Ile Phe Ser
35 40 45

Leu Val
50

<210> 894

<211> 255

<212> PRT

<213> Homo sapiens

<400> 894

Ala Pro Ser Ala Arg Asp Val Ser Arg Cys Ala His Arg Ala Arg Pro
1 5 10 15

Gly Ala Ile Met Leu Leu Leu Pro Ser Ala Ala Asp Gly Arg Gly Thr
20 25 30

Ala Ile Thr His Ala Leu Thr Ser Ala Ser Thr Leu Cys Gln Val Glu
35 40 45

Pro Val Gly Arg Trp Phe Glu Ala Phe Val Lys Arg Arg Asn Arg Asn
50 55 60

Ala Ser Ala Ser Phe Gln Glu Leu Glu Asp Lys Lys Glu Leu Ser Glu
65 70 75 80

Glu Ser Glu Asp Glu Glu Leu Gln Leu Glu Glu Phe Pro Met Leu Lys
85 90 95

Thr Leu Asp Pro Lys Asp Trp Lys Asn Gln Asp His Tyr Ala Val Leu
100 105 110

Gly Leu Gly His Val Arg Tyr Lys Ala Thr Gln Arg Gln Ile Lys Ala
115 120 125

Ala His Lys Ala Met Val Leu Lys His His Pro Asp Lys Arg Lys Ala
130 135 140

Ala Gly Glu Pro Ile Lys Glu Gly Asp Asn Asp Tyr Phe Thr Cys Ile
145 150 155 160

Thr Lys Ala Tyr Glu Met Leu Ser Asp Pro Val Lys Arg Arg Ala Phe
165 170 175

Asn Ser Val Asp Pro Thr Phe Asp Asn Ser Val Pro Ser Lys Ser Glu
180 185 190

Ala Lys Asp Asn Phe Phe Glu Val Phe Thr Pro Val Phe Glu Arg Asn

195 200 205
 Ser Arg Trp Ser Asn Lys Lys Asn Val Pro Lys Leu Gly Asp Met Asn
 210 215 220
 Ser Ser Phe Glu Asp Val Asp Ile Phe Tyr Ser Phe Trp Tyr Asn Phe
 225 230 235 240
 Asp Ser Trp Arg Glu Phe Ser Tyr Leu Asp Glu Glu Glu Lys Lys
 245 250 255

<210> 895
 <211> 149
 <212> PRT
 <213> Homo sapiens

<400> 895
 Val Glu Asn Gln Asn Pro Ala Asp Pro Leu Asn Glu Glu Leu Gly Asp
 1 5 10 15
 Glu Asp Ser Glu Lys Lys Arg Lys Gly Ala Phe Phe Ser Trp Ser Arg
 20 25 30
 Thr Arg Ser Thr Gly Arg Ser Gln Lys Lys Arg Glu His Gly Asp His
 35 40 45
 Ala Asp Asp Ala Leu His Ala Asn Gly Gly Leu Cys Arg Arg Glu Ser
 50 55 60
 Gln Gly Ser Val Ser Ser Ala Gly Ser Leu Asp Leu Ser Glu Ala Cys
 65 70 75 80
 Arg Thr Leu Ala Pro Glu Lys Asp Lys Ala Thr Lys His Cys Cys Ile
 85 90 95
 His Leu Pro Asp Gly Thr Ser Cys Val Val Ala Val Lys Ala Gly Phe
 100 105 110
 Ser Ile Lys Asp Ile Leu Ser Gly Leu Cys Glu Arg His Gly Ile Asn
 115 120 125
 Gly Ala Ala Ala Asp Leu Phe Leu Val Gly Gly Asp Lys Pro Leu Val
 130 135 140
 Leu Ala Pro Arg Gln
 145

<210> 896

<211> 635

<212> PRT

<213> Homo sapiens

<400> 896

His Glu Arg Gly Gln Arg Ala His Ser Ala Asp Ala Arg Ala Ala Gly
1 5 10 15

Ser Thr Arg Ser Thr Ala Gly Ala Gly Leu Gly Gln Arg Leu Arg Cys
20 25 30

Cys Trp Ile Val Val Phe Ser Gly Ile Glu Asp Thr His Gln Lys Pro
35 40 45

Lys Met Pro Lys Pro Ile Asn Val Arg Val Thr Thr Met Asp Ala Glu
50 55 60

Leu Glu Phe Ala Ile Gln Pro Asn Thr Thr Gly Lys Gln Leu Phe Asp
65 70 75 80

Gln Val Val Lys Thr Ile Gly Leu Arg Glu Val Trp Tyr Phe Gly Leu
85 90 95

His Tyr Val Asp Asn Lys Gly Phe Pro Thr Trp Leu Lys Leu Asp Lys
100 105 110

Lys Val Ser Ala Gln Glu Val Arg Lys Glu Asn Pro Leu Gln Phe Lys
115 120 125

Phe Arg Ala Lys Phe Tyr Pro Glu Asp Val Ala Glu Leu Ile Gln
130 135 140

Asp Ile Thr Gln Lys Leu Phe Phe Leu Gln Val Lys Glu Gly Ile Leu
145 150 155 160

Ser Asp Glu Ile Tyr Cys Pro Pro Glu Thr Ala Val Leu Leu Gly Ser
165 170 175

Tyr Ala Val Gln Ala Lys Phe Gly Asp Tyr Asn Lys Glu Val His Lys
180 185 190

Ser Gly Tyr Leu Ser Ser Glu Arg Leu Ile Pro Gln Arg Val Met Asp
195 200 205

Gln His Lys Leu Thr Arg Asp Gln Trp Glu Asp Arg Ile Gln Val Trp
210 215 220

His Ala Glu His Arg Gly Met Leu Lys Asp Asn Ala Met Leu Glu Tyr
225 230 235 240

Leu Lys Ile Ala Gln Asp Leu Glu Met Tyr Gly Ile Asn Tyr Phe Glu
245 250 255

Ile Lys Asn Lys Lys Gly Thr Asp Leu Trp Leu Gly Val Asp Ala Leu
260 265 270

Gly Leu Asn Ile Tyr Glu Lys Asp Asp Lys Leu Thr Pro Lys Ile Gly
275 280 285

Phe Pro Trp Ser Glu Ile Arg Asn Ile Ser Phe Asn Asp Lys Lys Phe
290 295 300

Val Ile Lys Pro Ile Asp Lys Lys Ala Pro Asp Phe Val Phe Tyr Ala
305 310 315 320

Pro Arg Leu Arg Ile Asn Lys Arg Ile Leu Gln Leu Cys Met Gly Asn
325 330 335

His Glu Leu Tyr Met Arg Arg Arg Lys Pro Asp Thr Ile Glu Val Gln
340 345 350

Gln Met Lys Ala Gln Ala Arg Glu Glu Lys His Gln Lys Gln Leu Glu
355 360 365

Arg Gln Gln Leu Glu Thr Glu Lys Lys Arg Arg Glu Thr Val Glu Arg
370 375 380

Glu Lys Glu Gln Met Met Arg Glu Lys Glu Glu Leu Met Leu Arg Leu
385 390 395 400

Gln Asp Tyr Glu Glu Lys Thr Lys Lys Ala Glu Arg Glu Leu Ser Glu
405 410 415

Gln Ile Gln Arg Ala Leu Gln Leu Glu Glu Glu Arg Lys Arg Ala Gln
420 425 430

Glu Glu Ala Glu Arg Leu Glu Ala Asp Arg Met Ala Ala Leu Arg Ala
435 440 445

Lys Glu Glu Leu Glu Arg Gln Ala Val Asp Gln Ile Lys Ser Gln Glu
450 455 460

Gln Leu Ala Ala Glu Leu Ala Glu Tyr Thr Ala Lys Ile Ala Leu Leu
465 470 475 480

Glu Glu Ala Arg Arg Arg Lys Glu Asp Glu Val Glu Glu Trp Gln His
485 490 495

Arg Ala Lys Glu Ala Gln Asp Asp Leu Val Lys Thr Lys Glu Glu Leu
500 505 510

His Leu Val Met Thr Ala Pro Pro Pro Pro Pro Pro Pro Val Tyr Glu
515 520 525

Pro Val Ser Tyr His Val Gln Glu Ser Leu Gln Asp Glu Gly Ala Glu
530 535 540

Pro Thr Gly Tyr Ser Ala Glu Leu Ser Ser Glu Gly Ile Arg Asp Asp
545 550 555 560

Arg Asn Glu Glu Lys Arg Ile Thr Glu Ala Glu Lys Asn Glu Arg Val
565 570 575

Gln Arg Gln Leu Leu Thr Leu Ser Ser Glu Leu Ser Gln Ala Arg Asp
580 585 590

Glu Asn Lys Arg Thr His Asn Asp Ile Ile His Asn Glu Asn Met Arg
595 600 605

Gln Gly Arg Asp Lys Tyr Lys Thr Leu Arg Gln Ile Arg Gln Gly Asn
610 615 620

Thr Lys Gln Arg Ile Asp Glu Phe Glu Ala Leu
625 630 635

<210> 897

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 897
Phe Val Phe Leu Gly Tyr Glu Glu Ile Ile Ile Xaa Leu Val Ser Ile
1 5 10 15
Phe Ile Asn Pro Xaa Ile Leu Tyr Leu Xaa Lys Ser Xaa Xaa Gly Gly
20 25 30
Gly Arg Pro Cys Xaa Asp Leu Pro Ile
35 40

<210> 898
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 898
Ser Leu Ala Gly Arg Ser Arg Trp Met Glu Ala Asn Gln His Ser Leu
1 5 10 15
Asn Ile Leu Gly Gln Lys Val Ser Met His Tyr Ser Asp Pro Lys Pro
20 25 30
Lys Ile Asn Glu Asp Trp Leu Cys Asn Lys Cys Gly Val Gln Asn Phe
35 40 45
Lys Arg Arg Glu Lys Cys Phe Lys Cys Gly Val Pro Lys Ser Glu Ala
50 55 60
Glu Gln Lys Leu Pro Leu Gly Thr Arg Leu Asp Gln Gln Thr Leu Pro

65 70 75 80
Leu Gly Xaa Arg Glu Leu Ser Gln Gly Leu Leu Xaa Leu Pro Gln Pro
 85 90 95
Tyr Gln Ala Gln Gly Val Leu Ala Ser Gln Ala Leu Ser Gln Gly Ser
 100 105 110
Glu Pro Ser Ser Glu Asn Ala Asn Asp Thr Ile Ile Leu Arg Asn Leu
 115 120 125

<210> 899
<211> 92
<212> PRT
<213> Homo sapiens

<400> 899
Ile Trp Gln Phe Phe Ala Glu Val Ile Met Ser Phe Phe Gln Leu Leu
1 5 10 15
Met Lys Arg Lys Glu Leu Ile Pro Leu Val Val Phe Met Thr Val Ala
 20 25 30
Ala Gly Gly Ala Ser Ser Phe Ala Val Tyr Ser Leu Trp Lys Thr Asp
 35 40 45
Val Ile Leu Asp Arg Lys Lys Asn Pro Glu Pro Trp Glu Thr Val Asp
50 55 60
Pro Thr Val Pro Gln Lys Leu Ile Thr Ile Asn Gln Gln Trp Lys Pro
65 70 75 80
Ile Glu Glu Leu Gln Asn Val Gln Arg Val Thr Lys
 85 90

<210> 900
<211> 73
<212> PRT
<213> Homo sapiens

<400> 900
Gly Gly Trp Phe Tyr Pro Phe Cys Leu Leu Phe Gly Thr Gln Leu Val
1 5 10 15

Phe Phe Gly Leu Leu Ser Ser Gly Ser Arg Ala Val Leu Ser Asn Thr
 20 25 30
 Val Thr Thr Cys Gly Cys Leu Lys Leu Ser Gln Leu Lys Ser His Lys
 35 40 45
 Ile Lys Asn Ser Phe Leu Ser Cys Thr Asn His Val Ser Arg Gly Val
 50 55 60
 Thr Val Cys Ser Ser Trp Leu Leu Tyr
 65 70

<210> 901
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 901
 Gly Pro Ala Leu Lys Met Gln Ala Gln Ala Pro Val Val Val Val Thr
 1 5 10 15
 Gln Pro Gly Val Gly Pro Gly Pro Ala Pro Gln Asn Ser Asn Trp Gln
 20 25 30
 Thr Gly Met Cys Asp Cys Phe Ser Asp Cys Gly Val Cys Leu Cys Gly
 35 40 45
 Thr Phe Cys Phe Pro Cys Leu Gly Cys Gln Val Ala Ala Asp Met Asn
 50 55 60
 Glu Cys Cys Leu Cys Gly Thr Ser Val Ala Met Arg Thr Leu Tyr Arg
 65 70 75 80
 Thr Arg Tyr Gly Ile Pro Gly Ser Ile Cys Asp Asp Tyr Met Ala Thr
 85 90 95
 Leu Cys Cys Pro His Cys Thr Leu Cys Gln Ile Lys Arg Asp Ile Asn
 100 105 110
 Arg Arg Arg Ala Met Arg Thr Phe
 115 120

<210> 902
 <211> 163
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 902

Xaa Glu Pro Lys Pro Ser Val Glu Pro Val Lys Ser Ile Ser Ser Met
1 5 10 15

Glu Leu Lys Thr Glu Pro Phe Asp Asp Phe Leu Phe Pro Ala Ser Ser
20 25 30

Arg Pro Ser Gly Ser Glu Thr Ala Arg Ser Val Pro Asp Met Asp Leu
35 40 45

Ser Gly Ser Phe Tyr Ala Ala Asp Trp Glu Pro Leu His Ser Gly Ser
50 55 60

Leu Gly Met Gly Pro Met Ala Gln Ser Trp Ser Pro Cys Ala Leu Arg
65 70 75 80

Trp Ser Pro Val Leu Pro Ala Ala Leu Leu Thr Arg Leu Pro Ser Ser
85 90 95

Ser Pro Thr Pro Arg Leu Thr Pro Ser Pro Ala Val Gln Leu Pro Thr
100 105 110

Ala Arg Ala Ala Ala Met Ser Leu Pro Leu Thr Arg Ser Ala His
115 120 125

Pro Arg Cys Trp Pro Cys Glu Gly Ala Gly Lys Gly Arg Gln Pro Ala
130 135 140

Pro Thr Ser Ala Thr Ala Arg Ala Gly Ala Leu Gln Arg Gly Glu Thr
145 150 155 160

His Leu Pro

<210> 903

<211> 478

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (451)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 903

Ala Asp Thr Lys Pro Glu Arg Gly Val Ser Ser Ala Val Phe Ala Ser
 1 5 10 15

Gly Ser Glu Xaa Arg Arg Leu Xaa Cys Val Leu Leu Ser Ser Ser Glu
 20 25 30

Thr Arg Leu Leu Ser Gly Thr Leu Leu Trp Ile Pro Arg Ala Tyr Ser
 35 40 45

Thr Arg Ser Lys Met Ala Glu Leu Asn Thr His Val Asn Val Lys Glu
 50 55 60

Lys Ile Tyr Ala Val Arg Ser Val Val Pro Asn Lys Ser Asn Asn Glu
 65 70 75 80

Ile Val Leu Val Leu Gln Gln Phe Asp Phe Asn Val Asp Lys Ala Val
 85 90 95

Gln Ala Phe Val Asp Gly Ser Ala Ile Gln Val Leu Lys Glu Trp Asn
 100 105 110

Met Thr Gly Lys Lys Lys Asn Asn Lys Arg Lys Arg Ser Lys Ser Lys
 115 120 125

Gln His Gln Gly Asn Lys Asp Ala Lys Asp Lys Val Glu Arg Pro Glu
 130 135 140

Ala Gly Pro Leu Gln Pro Gln Pro Pro Gln Ile Gln Asn Gly Pro Met
 145 150 155 160

Asn Gly Cys Glu Lys Asp Ser Ser Ser Thr Asp Ser Ala Asn Glu Lys
 165 170 175

Pro Ala Leu Ile Pro Arg Glu Lys Lys Ile Ser Ile Leu Glu Glu Pro
 180 185 190

Ser Lys Ala Leu Arg Gly Val Thr Gly Pro Asn Ile Glu Lys Ser Val
 195 200 205

Lys Asp Leu Gln Arg Cys Thr Val Ser Leu Thr Arg Tyr Arg Val Met

210 215 220
Ile Lys Glu Glu Val Asp Ser Ser Val Lys Lys Ile Lys Ala Ala Phe
225 230 235 240
Ala Glu Leu His Asn Cys Ile Ile Asp Lys Glu Val Ser Leu Met Ala
245 250 255
Glu Met Asp Lys Val Lys Glu Glu Ala Met Glu Ile Leu Thr Ala Arg
260 265 270
Gln Lys Lys Ala Glu Glu Leu Lys Arg Leu Thr Asp Leu Ala Ser Gln
275 280 285
Met Ala Glu Met Gln Leu Ala Glu Leu Arg Ala Glu Ile Lys His Phe
290 295 300
Val Ser Glu Arg Lys Tyr Asp Glu Glu Leu Gly Lys Ala Ala Arg Phe
305 310 315 320
Ser Cys Asp Ile Glu Gln Leu Lys Ala Gln Ile Met Leu Cys Gly Glu
325 330 335
Ile Thr His Pro Lys Asn Asn Tyr Ser Ser Arg Thr Pro Cys Ser Ser
340 345 350
Leu Leu Pro Leu Leu Asn Ala His Ala Ala Thr Ser Gly Lys Gln Ser
355 360 365
Asn Phe Ser Arg Lys Ser Ser Thr His Asn Lys Pro Ser Glu Gly Lys
370 375 380
Ala Ala Asn Pro Lys Met Val Ser Ser Leu Pro Ser Thr Ala Asp Pro
385 390 395 400
Ser His Gln Thr Met Pro Ala Asn Lys Gln Asn Gly Ser Ser Asn Gln
405 410 415
Arg Arg Arg Phe Asn Pro Gln Tyr His Asn Asn Arg Leu Asn Gly Pro
420 425 430
Ala Lys Ser Gln Gly Ser Gly Asn Glu Ala Glu Pro Leu Gly Lys Gly
435 440 445
Asn Ser Xaa His Glu His Arg Arg Gln Pro His Asn Gly Phe Arg Pro
450 455 460
Lys Asn Lys Gly Gly Ala Lys Ile Lys Arg Leu Pro Trp Gly
465 470 475

<210> 904
<211> 88
<212> PRT
<213> Homo sapiens

<400> 904
Ala Phe His Phe Gly Ser Val Ala Lys Ala Thr Thr Thr Ser Val Gly
1 5 10 15
Thr Val Gly Tyr Tyr Gln Phe Met Asp Arg Leu Leu Ser Gly Met Val
20 25 30
Thr Ala Asn Thr Ile Val Arg Lys Pro Lys Arg Ser Leu Val Arg Val
35 40 45
Glu Ser Val Thr Pro Leu Pro Thr Thr Gly Cys Cys Leu Leu Ser Leu
50 55 60
Arg Arg Leu Arg Gln Asn Leu Leu Gln Arg Thr Arg Arg Val Val Tyr
65 70 75 80
Gln Arg Cys Leu Thr Thr Leu Arg
85

<210> 905
<211> 508
<212> PRT
<213> Homo sapiens

<400> 905
Phe Arg Ile Val Leu Pro Gly Trp Gln Gln Gly Pro Ser Gly Thr Met
1 5 10 15
Ser Ala Leu Gly Val Thr Val Ala Leu Leu Val Trp Ala Ala Phe Leu
20 25 30
Leu Leu Val Ser Met Trp Arg Gln Val His Ser Ser Trp Asn Leu Pro
35 40 45
Pro Gly Pro Phe Pro Leu Pro Ile Ile Gly Asn Leu Phe Gln Leu Glu
50 55 60
Leu Lys Asn Ile Pro Lys Ser Phe Thr Arg Leu Ala Gln Arg Phe Gly
65 70 75 80
Pro Val Phe Thr Leu Tyr Val Gly Ser Gln Arg Met Val Val Met His
85 90 95

Gly Tyr Lys Ala Val Lys Glu Ala Leu Leu Asp Tyr Lys Asp Glu Phe
100 105 110

Ser Gly Arg Gly Asp Leu Pro Ala Phe His Ala His Arg Asp Arg Gly
115 120 125

Ile Ile Phe Asn Asn Gly Pro Thr Trp Lys Asp Ile Arg Arg Phe Ser
130 135 140

Leu Thr Thr Leu Arg Asn Tyr Gly Met Gly Lys Gln Gly Asn Glu Ser
145 150 155 160

Arg Ile Gln Arg Glu Ala His Phe Leu Leu Glu Ala Leu Arg Lys Thr
165 170 175

Gln Gly Gln Pro Phe Asp Pro Thr Phe Leu Ile Gly Cys Ala Pro Cys
180 185 190

Asn Val Ile Ala Asp Ile Leu Phe Arg Lys His Phe Asp Tyr Asn Asp
195 200 205

Glu Lys Phe Leu Arg Leu Met Tyr Leu Phe Asn Glu Asn Phe His Leu
210 215 220

Leu Ser Thr Pro Trp Leu Gln Leu Tyr Asn Asn Phe Pro Ser Phe Leu
225 230 235 240

His Tyr Leu Pro Gly Ser His Arg Lys Val Ile Lys Asn Val Ala Glu
245 250 255

Val Lys Glu Tyr Val Ser Glu Arg Val Lys Glu His His Gln Ser Leu
260 265 270

Asp Pro Asn Cys Pro Arg Asp Leu Thr Asp Cys Leu Leu Val Glu Met
275 280 285

Glu Lys Glu Lys His Ser Ala Glu Arg Leu Tyr Thr Met Asp Gly Ile
290 295 300

Thr Val Thr Val Ala Asp Leu Phe Phe Ala Gly Thr Glu Thr Thr Ser
305 310 315 320

Thr Thr Leu Arg Tyr Gly Leu Leu Ile Leu Met Lys Tyr Pro Glu Ile
325 330 335

Glu Glu Lys Leu His Glu Glu Ile Asp Arg Val Ile Gly Pro Ser Arg
340 345 350

Ile Pro Ala Ile Lys Asp Arg Gln Glu Met Pro Tyr Met Asp Ala Val
355 360 365

Val His Glu Ile Gln Arg Phe Ile Thr Leu Val Pro Ser Asn Leu Pro
 370 375 380
 His Glu Ala Thr Arg Asp Thr Ile Phe Arg Gly Tyr Leu Ile Pro Lys
 385 390 395 400
 Gly Thr Val Val Val Pro Thr Leu Asp Ser Val Leu Tyr Asp Asn Gln
 405 410 415
 Glu Phe Pro Asp Pro Glu Lys Phe Lys Pro Glu His Phe Leu Asn Glu
 420 425 430
 Asn Gly Lys Phe Lys Tyr Ser Asp Tyr Phe Lys Pro Phe Ser Thr Gly
 435 440 445
 Lys Arg Val Cys Ala Gly Glu Gly Leu Ala Arg Met Glu Leu Phe Leu
 450 455 460
 Leu Leu Cys Ala Ile Leu Gln His Phe Asn Leu Lys Pro Leu Val Asp
 465 470 475 480
 Pro Lys Asp Ile Asp Leu Ser Pro Ile His Ile Gly Phe Gly Cys Ile
 485 490 495
 Pro Pro Arg Tyr Lys Leu Cys Val Ile Pro Arg Ser
 500 505

<210> 906
 <211> 290
 <212> PRT
 <213> Homo sapiens

<400> 906
 Leu Gly Pro Arg Pro Leu Ala Leu Glu Arg Gly Leu Arg Gly Thr His
 1 5 10 15
 Met Glu Asn Val Tyr Asp Phe Tyr Lys Pro Asn Leu Ala Ser Glu Tyr
 20 25 30
 Pro Ile Val Asp Gly Lys Leu Ser Ile Gln Cys Tyr Leu Arg Ala Leu
 35 40 45
 Asp Arg Cys Tyr Thr Ser Tyr Arg Lys Lys Ile Gln Asn Gln Trp Lys
 50 55 60
 Gln Ala Gly Ser Asp Arg Pro Phe Thr Leu Asp Asp Leu Gln Tyr Met
 65 70 75 80
 Ile Phe His Thr Pro Phe Cys Lys Met Val Gln Lys Ser Leu Ala Arg

85 90 95
Leu Met Phe Asn Asp Phe Leu Ser Ala Ser Ser Asp Thr Gln Thr Ser
100 105 110
Leu Tyr Lys Gly Leu Glu Ala Phe Gly Gly Leu Lys Leu Glu Asp Thr
115 120 125
Tyr Thr Asn Lys Asp Leu Asp Lys Ala Leu Leu Lys Ala Ser Gln Asp
130 135 140
Met Phe Asp Lys Lys Thr Lys Ala Ser Leu Tyr Leu Ser Thr His Asn
145 150 155 160
Gly Asn Met Tyr Thr Ser Ser Leu Tyr Gly Cys Leu Ala Ser Leu Leu
165 170 175
Ser His His Ser Ala Gln Glu Leu Ala Gly Ser Arg Ile Gly Ala Phe
180 185 190
Ser Tyr Gly Ser Gly Leu Ala Ala Ser Phe Phe Ser Phe Arg Val Ser
195 200 205
Gln Asp Ala Ala Pro Gly Ser Pro Leu Asp Lys Leu Val Ser Ser Thr
210 215 220
Ser Asp Leu Pro Lys Arg Leu Ala Ser Arg Lys Cys Val Ser Pro Glu
225 230 235 240
Glu Phe Thr Glu Ile Met Asn Gln Arg Glu Gln Phe Tyr His Lys Val
245 250 255
Asn Phe Ser Pro Pro Gly Asp Thr Asn Ser Leu Phe Pro Gly Thr Trp
260 265 270
Tyr Leu Glu Arg Val Asp Glu Gln His Arg Arg Lys Tyr Ala Arg Arg
275 280 285
Pro Val
290

<210> 907

<211> 242

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (198)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (215)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (222)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (242)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 907

Leu	Val	Pro	Asn	Ser	Ala	Arg	Val	Gly	Thr	Arg	Ser	Lys	Gly	Val	Cys
1				5					10					15	
Val	His	Gly	Asn	Ala	Glu	Tyr	Gln	Pro	Gly	Ser	Pro	Val	Tyr	Ser	Ser
			20					25					30		
Lys	Cys	Gln	Asp	Cys	Val	Cys	Thr	Asp	Lys	Val	Asp	Asn	Asn	Thr	Leu
	35						40					45			
Leu	Asn	Val	Ile	Ala	Cys	Thr	His	Val	Pro	Cys	Asn	Thr	Ser	Cys	Ser
	50					55						60			
Pro	Gly	Phe	Glu	Leu	Met	Glu	Ala	Pro	Gly	Glu	Cys	Cys	Lys	Lys	Cys
65				70					75						80
Glu	Gln	Thr	His	Cys	Ile	Ile	Lys	Arg	Pro	Asp	Asn	Gln	His	Val	Ile
			85					90						95	
Leu	Lys	Pro	Gly	Asp	Phe	Lys	Ser	Asp	Pro	Lys	Asn	Asn	Cys	Thr	Phe
		100						105					110		
Phe	Ser	Cys	Val	Lys	Ile	His	Asn	Gln	Leu	Ile	Ser	Ser	Val	Ser	Asn
	115						120						125		
Ile	Thr	Cys	Pro	Asn	Phe	Asp	Ala	Ser	Ile	Cys	Ile	Pro	Gly	Ser	Ile
	130					135						140			
Thr	Phe	Met	Pro	Asn	Gly	Cys	Cys	Lys	Thr	Cys	Thr	Pro	Arg	Asn	Glu
145					150					155					160
Thr	Arg	Val	Pro	Cys	Ser	Thr	Val	Pro	Val	Thr	Thr	Glu	Val	Ser	Tyr
				165					170						175

Ala Gly Cys Thr Lys Thr Val Leu Met Asn His Cys Ser Gly Ser Cys
180 185 190
Gly Thr Phe Val Met Xaa Ser Ala Lys Ala Arg Pro Trp Thr Thr Ala
195 200 205
Cys Ser Cys Cys Lys Glu Xaa Lys Thr Ser Gln Arg Glu Xaa Val Leu
210 215 220
Thr Ala Gln Trp Arg Ser Leu Thr His Thr Tyr Thr Thr Ser Arg Leu
225 230 235 240
Pro Xaa

<210> 908
<211> 119
<212> PRT
<213> Homo sapiens

<400> 908
Leu Gly Leu Ala Pro Ala Leu Gly Pro Ala Ser Arg Arg Ser Arg Glu
1 5 10 15
Met Ser Asp Cys Tyr Thr Glu Leu Glu Lys Ala Val Ile Val Leu Val
20 25 30
Glu Asn Phe Tyr Lys Tyr Val Ser Lys Tyr Ser Leu Val Lys Asn Lys
35 40 45
Ile Ser Lys Ser Ser Phe Arg Glu Met Leu Gln Lys Glu Leu Asn His
50 55 60
Met Leu Ser Asp Thr Gly Asn Arg Lys Ala Ala Asp Lys Leu Ile Gln
65 70 75 80
Asn Leu Asp Ala Asn His Asp Gly Arg Ile Ser Phe Asp Glu Tyr Trp
85 90 95
Thr Leu Ile Gly Gly Ile Thr Gly Pro Ile Ala Lys Leu Ile His Glu
100 105 110
Gln Glu Gln Gln Ser Ser Ser
115

<210> 909
<211> 171

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 909

Leu Ile Ala Cys His Phe Gln Val His Phe Leu Phe Ile Phe Met Phe
1 5 10 15

Met Val Asp Cys Thr Phe Pro Ser Pro Pro Ser Gly Met Gly Gly Gly
20 25 30

Gly Glu Gly Gly Pro Trp Ala Leu Gln Ser His Leu Ser Arg Glu Ile
35 40 45

Pro Phe Gly Thr Gly Gly Arg Lys Ala Ala Arg Arg Gln Gln Pro Trp
50 55 60

Leu Leu Ser Phe Gly Arg Leu Gly Lys Gly Leu Pro Pro Ala Leu Gly
65 70 75 80

Phe Gln Gly Leu Thr Gly Gly Val Glu Arg Glu Gly Gly Thr Ser Ile
85 90 95

Thr Leu Lys Val Glu Ser Ser Tyr Phe Leu Arg Cys Glu Gly Phe Phe
100 105 110

Ile Ser Leu Phe Ser Glu Cys Gln Gly Ser Glu Val Pro Leu Thr Val
115 120 125

Asn Leu Trp Trp Ala Gly Ala Gly Gly Glu Gly Gly Gly Leu Ala Pro
130 135 140

Ser Leu Pro Ala Phe Cys Cys Pro Cys Leu Thr Met Pro Ala Asn Trp
145 150 155 160

Arg Xaa His Gly Cys Thr Ser Ile Pro Pro Glu
165 170

<210> 910

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 910

Gly Ser Pro Thr Glu Thr Leu Leu Arg Leu Leu Leu Pro Leu Asp Ser
1 5 10 15

Gln Val Arg Pro Ser Ser Gln Arg Ser Ala Xaa Ala Val Gly Arg Pro
20 25 30

Arg Arg Gly Arg Ser Glu Gly Leu Thr Lys Pro Ser Asn Arg
35 40 45

<210> 911

<211> 1242

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (224)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (1013)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (1034)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 911

Ala Pro His Leu Thr Leu Arg Pro Cys Gly Cys Cys Ser Gly Ala Gly
1 5 10 15

Leu Leu Pro Gly Gln Gly Pro Gly Ile Met Tyr Ile Lys Gln Val Ile
20 25 30

Ile Gln Gly Phe Arg Ser Tyr Arg Asp Gln Thr Ile Val Asp Pro Phe
35 40 45

Ser Ser Lys His Asn Val Ile Val Gly Arg Asn Gly Ser Gly Lys Ser
50 55 60

Asn Phe Phe Tyr Ala Ile Gln Phe Val Leu Ser Asp Glu Phe Ser His
65 70 75 80

Leu Arg Pro Glu Gln Arg Leu Ala Leu Leu His Glu Gly Thr Gly Pro
85 90 95

Arg Val Ile Ser Ala Phe Val Glu Ile Ile Phe Asp Asn Ser Asp Asn
100 105 110

Arg Leu Pro Ile Asp Lys Glu Glu Val Ser Leu Arg Arg Val Ile Gly
115 120 125

Ala Lys Lys Asp Gln Tyr Phe Leu Asp Lys Lys Met Val Thr Lys Asn
130 135 140

Asp Val Met Asn Leu Leu Glu Ser Ala Gly Phe Ser Arg Ser Asn Pro
145 150 155 160

Tyr Tyr Ile Val Lys Gln Gly Lys Ile Asn Gln Met Ala Thr Ala Pro
165 170 175

Asp Ser Gln Arg Leu Lys Leu Leu Arg Glu Val Ala Gly Thr Arg Val
180 185 190

Tyr Asp Glu Arg Lys Glu Glu Ser Ile Ser Leu Met Lys Glu Thr Glu
195 200 205

Gly Lys Arg Glu Lys Ile Asn Glu Leu Leu Lys Tyr Ile Glu Glu Xaa
210 215 220

Leu His Thr Leu Glu Glu Glu Lys Glu Glu Leu Ala Gln Tyr Gln Lys
225 230 235 240

Trp Asp Lys Met Arg Arg Ala Leu Glu Tyr Thr Ile Tyr Asn Gln Glu
245 250 255

Leu Asn Glu Thr Arg Ala Lys Leu Asp Glu Leu Ser Ala Lys Arg Glu
260 265 270

Thr Ser Gly Glu Lys Ser Arg Gln Leu Arg Asp Ala Gln Gln Asp Ala
275 280 285

Arg Asp Lys Met Glu Asp Ile Glu Arg Gln Val Arg Glu Leu Lys Thr
290 295 300

Lys Ile Ser Ala Met Lys Glu Glu Lys Glu Gln Leu Ser Ala Glu Arg
305 310 315 320

Gln Glu Gln Ile Lys Gln Arg Thr Lys Leu Glu Leu Lys Ala Lys Asp
325 330 335

Leu Gln Asp Glu Leu Ala Gly Asn Ser Glu Gln Arg Lys Arg Leu Leu
340 345 350

Lys Glu Arg Gln Lys Leu Leu Glu Lys Ile Glu Glu Lys Gln Lys Glu
355 360 365

Leu Ala Glu Thr Glu Pro Lys Phe Asn Ser Val Lys Glu Lys Glu Glu
370 375 380

Arg Gly Ile Ala Arg Leu Ala Gln Ala Thr Gln Glu Arg Thr Asp Leu
385 390 395 400

Tyr Ala Lys Gln Gly Arg Gly Ser Gln Phe Thr Ser Lys Glu Glu Arg
405 410 415

Asp Lys Trp Ile Lys Lys Glu Leu Lys Ser Leu Asp Gln Ala Ile Asn
420 425 430

Asp Lys Lys Arg Gln Ile Ala Ala Ile His Lys Asp Leu Glu Asp Thr
435 440 445

Glu Ala Asn Lys Glu Lys Asn Leu Glu Gln Tyr Asn Lys Leu Asp Gln
450 455 460

Asp Leu Asn Glu Val Lys Ala Arg Val Glu Glu Leu Asp Arg Lys Tyr
465 470 475 480

Tyr Glu Val Lys Asn Lys Lys Asp Glu Leu Gln Ser Glu Arg Asn Tyr
485 490 495

Leu Trp Arg Glu Glu Asn Ala Glu Gln Gln Ala Leu Ala Ala Lys Arg
500 505 510

Glu Asp Leu Glu Lys Lys Gln Gln Leu Leu Arg Ala Ala Thr Gly Lys
515 520 525

Ala Ile Leu Asn Gly Ile Asp Ser Ile Asn Lys Val Leu Asp His Phe
530 535 540

Arg Arg Lys Gly Ile Asn Gln His Val Gln Asn Gly Tyr His Gly Ile
545 550 555 560

Val Met Asn Asn Phe Glu Cys Glu Pro Ala Phe Tyr Thr Cys Val Glu
565 570 575

Val Thr Ala Gly Asn Arg Leu Phe Tyr His Ile Val Asp Ser Asp Glu
580 585 590

Val Ser Thr Lys Ile Leu Met Glu Phe Asn Lys Met Asn Leu Pro Gly
595 600 605

Glu Val Thr Phe Leu Pro Leu Asn Lys Leu Asp Val Arg Asp Thr Ala
610 615 620

Tyr Pro Glu Thr Asn Asp Ala Ile Pro Met Ile Ser Lys Leu Arg Tyr
625 630 635 640

Asn Pro Arg Phe Asp Lys Ala Phe Lys His Val Phe Gly Lys Thr Leu
645 650 655

Ile Cys Arg Ser Met Glu Val Ser Thr Gln Leu Ala Arg Ala Phe Thr
660 665 670

Met Asp Cys Ile Thr Leu Glu Gly Asp Gln Val Ser His Arg Gly Ala
675 680 685

Leu Thr Gly Gly Tyr Tyr Asp Thr Arg Lys Ser Arg Leu Glu Leu Gln
690 695 700

Lys Asp Val Arg Lys Ala Glu Glu Glu Leu Gly Glu Leu Glu Ala Lys
705 710 715 720

Leu Asn Glu Asn Leu Arg Arg Asn Ile Glu Arg Ile Asn Asn Glu Ile
725 730 735

Asp Gln Leu Met Asn Gln Met Gln Gln Ile Glu Thr Gln Gln Arg Lys
740 745 750

Phe Lys Ala Ser Arg Asp Ser Ile Leu Ser Glu Met Lys Met Leu Lys
755 760 765

Glu Lys Arg Gln Gln Ser Glu Lys Thr Phe Met Pro Lys Gln Arg Ser
770 775 780

Leu Gln Ser Leu Glu Ala Ser Leu His Ala Met Glu Ser Thr Arg Glu
785 790 795 800

Ser Leu Lys Ala Glu Leu Gly Thr Asp Leu Leu Ser Gln Leu Ser Leu
805 810 815

Glu Asp Gln Lys Arg Val Asp Ala Leu Asn Asp Glu Ile Arg Gln Leu
820 825 830

Gln Gln Glu Asn Arg Gln Leu Leu Asn Glu Arg Ile Lys Leu Glu Gly
835 840 845

Ile Ile Thr Arg Val Glu Thr Tyr Leu Asn Glu Asn Leu Arg Lys Arg
850 855 860

Leu Asp Gln Val Glu Gln Glu Leu Asn Glu Leu Arg Glu Thr Glu Gly
865 870 875 880

Gly Thr Val Leu Thr Ala Thr Thr Ser Glu Leu Glu Ala Ile Asn Lys
885 890 895

Arg Val Lys Asp Thr Met Ala Arg Ser Glu Asp Leu Asp Asn Ser Ile
900 905 910

Asp Lys Thr Glu Ala Gly Ile Lys Glu Leu Gln Lys Ser Met Glu Arg
915 920 925

Trp Lys Asn Met Glu Lys Glu His Met Asp Ala Ile Asn His Asp Thr
930 935 940

Lys Glu Leu Glu Lys Met Thr Asn Arg Gln Gly Met Leu Leu Lys Lys
945 950 955 960

Lys Glu Glu Cys Met Lys Lys Ile Arg Glu Leu Gly Ser Leu Pro Gln
965 970 975

Glu Ala Phe Glu Lys Tyr Gln Thr Leu Ser Leu Lys Gln Leu Phe Arg
980 985 990

Lys Leu Glu Gln Cys Asn Thr Glu Leu Lys Lys Tyr Ser His Val Asn
995 1000 1005

Lys Lys Ala Leu Xaa Gln Phe Val Asn Phe Ser Glu Gln Lys Glu Lys
1010 1015 1020

Leu Ile Lys Arg Gln Glu Glu Leu Asp Xaa Gly Tyr Lys Ser Ile Met
1025 1030 1035 1040

Glu Leu Met Asn Val Leu Glu Leu Arg Lys Tyr Glu Ala Ile Gln Leu
1045 1050 1055

Thr Phe Lys Gln Val Ser Lys Asn Phe Ser Glu Val Phe Gln Lys Leu
1060 1065 1070

Val Pro Gly Gly Lys Ala Thr Leu Val Met Lys Lys Gly Asp Val Glu
1075 1080 1085

Gly Ser Gln Ser Gln Asp Glu Gly Glu Gly Ser Gly Glu Ser Glu Arg
1090 1095 1100

Gly Ser Gly Ser Gln Ser Ser Val Pro Ser Val Asp Gln Phe Thr Gly
1105 1110 1115 1120

Val Gly Ile Arg Val Ser Phe Thr Gly Lys Gln Gly Glu Met Arg Glu
1125 1130 1135

Met Gln Gln Leu Ser Gly Gly Gln Lys Ser Leu Val Ala Leu Ala Leu
1140 1145 1150

Ile Phe Ala Ile Gln Lys Cys Asp Pro Ala Pro Phe Tyr Leu Phe Asp
1155 1160 1165

Glu Ile Asp Gln Ala Leu Asp Ala Gln His Arg Lys Ala Val Ser Asp
1170 1175 1180

Met Ile Met Glu Leu Ala Val His Ala Gln Phe Ile Thr Thr Thr Phe
185 1190 1195 1200

Arg Pro Glu Leu Leu Glu Ser Ala Asp Lys Phe Tyr Gly Val Lys Phe
1205 1210 1215

Arg Asn Lys Val Ser His Ile Asp Val Ile Thr Ala Glu Met Ala Lys
1220 1225 1230

Asp Phe Val Glu Asp Asp Thr Thr His Gly
1235 1240

<210> 912
<211> 172
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 912
Glu Glu Lys Thr Glu Pro Pro Leu Ser Phe Gly Arg Gly Trp Gln Thr
1 5 10 15

Val Lys Glu Met Ser Val Leu Arg His Val Gly Ile Gly Ser Asp Ala
20 25 30

Pro Pro Met Glu Arg Phe Val Asn Thr Lys Thr Trp Lys Val Arg Gly
35 40 45

Leu Ser Thr Lys Arg His Gly Arg Leu Gly Leu Ser Thr Gln Arg His
50 55 60

Gly Arg Leu Glu Val Cys Gln His Lys Asp Thr Gly Arg Met Gly Cys

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<400> 913
Arg Thr Arg Leu Glu Ala Arg Arg Gln Gly Trp Ala Ala Ala Ala
  1             5             10             15

Ala Val Met Glu Arg Gln Glu Glu Ser Leu Ser Ala Arg Pro Ala Leu
      20             25             30

Glu Thr Glu Gly Leu Arg Phe Leu His Thr Thr Val Gly Ser Leu Leu
      35             40             45

Ala Thr Tyr Gly Trp Tyr Ile Val Phe Ser Cys Ile Leu Leu Tyr Val
      50             55             60

Val Phe Gln Lys Leu Ser Ala Arg Leu Arg Ala Leu Arg Gln Arg Gln
      65             70             75             80

Leu Asp Arg Ala Ala Ala Ala Val Glu Pro Asp Val Val Val Lys Arg
      85             90             95

Gln Glu Ala Leu Ala Ala Ala Arg Leu Lys Met Gln Glu Glu Leu Asn
      100             105             110

Ala Gln Val Glu Lys His Lys Glu Lys Leu Lys Gln Leu Glu Glu Glu
      115             120             125

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Lys Arg Arg Gln Lys Ile Glu Met Trp Asp Ser Met Gln Glu Gly Lys
130 135 140
Ser Tyr Lys Gly Asn Ala Lys Lys Pro Gln Glu Glu Asp Ser Pro Gly
145 150 155 160
Pro Ser Thr Ser Ser Val Leu Lys Arg Lys Ser Asp Arg Lys Pro Leu
165 170 175
Arg Gly Gly Gly Tyr Asn Pro Leu Ser Gly Glu Gly Gly Gly Ala Cys
180 185 190
Ser Trp Arg Pro Gly Arg Arg Gly Pro Ser Ser Gly Gly
195 200 205

<210> 914
<211> 198
<212> PRT
<213> Homo sapiens

<400> 914
Ile Leu Gln Val Pro Val Arg Asn Ser Arg Val Tyr Pro Arg Val Arg
1 5 10 15
Val Arg Asn Val Pro Trp Glu Phe Gly Asp Val Ile Pro Asp Tyr Val
20 25 30
Leu Gly Gln Ser Thr Cys Ala Leu Phe Leu Ser Leu Arg Tyr His Asn
35 40 45
Leu His Pro Asp Tyr Ile His Gly Arg Leu Gln Ser Leu Gly Lys Asn
50 55 60
Phe Ala Leu Arg Val Leu Leu Val Gln Val Asp Val Lys Asp Pro Gln
65 70 75 80
Gln Ala Leu Lys Glu Leu Ala Lys Met Cys Ile Leu Ala Asp Cys Thr
85 90 95
Leu Ile Leu Ala Trp Ser Pro Glu Glu Ala Gly Arg Tyr Leu Glu Thr
100 105 110
Tyr Lys Ala Tyr Glu Gln Lys Pro Ala Asp Leu Leu Met Glu Lys Leu
115 120 125
Glu Gln Asp Phe Val Ser Arg Val Thr Glu Cys Leu Thr Thr Val Lys
130 135 140

Ser Val Asn Lys Thr Asp Ser Gln Thr Leu Leu Thr Thr Phe Gly Ser
145 150 155 160

Leu Glu Gln Leu Ile Ala Ala Ser Arg Glu Asp Leu Ala Leu Cys Pro
165 170 175

Gly Leu Gly Pro Gln Lys Ala Arg Arg Leu Phe Asp Val Leu His Glu
180 185 190

Pro Phe Leu Lys Val Pro
195

<210> 915

<211> 300

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 915

Gly Thr Val Asp Ile Glu Ser Leu Thr Gly Tyr Arg Thr Tyr Arg Cys
1 5 10 15

Ala His Pro Leu Ala Thr Leu Phe Lys Ile Leu Ala Ser Phe Tyr Ile
20 25 30

Ser Leu Val Ile Phe Tyr Gly Leu Ile Cys Met Tyr Thr Leu Trp Trp
35 40 45

Met Leu Arg Arg Ser Leu Lys Lys Tyr Ser Phe Glu Ser Ile Arg Glu
50 55 60

Glu Ser Ser Tyr Ser Xaa Ile Pro Asp Val Lys Asn Asp Phe Ala Phe
65 70 75 80

Met Leu His Leu Ile Asp Gln Tyr Asp Pro Leu Tyr Ser Lys Arg Phe
85 90 95

Ala Val Phe Leu Ser Glu Val Ser Glu Asn Lys Leu Arg Gln Leu Asn
100 105 110

Leu Asn Asn Glu Trp Thr Leu Asp Lys Leu Arg Gln Arg Leu Thr Lys
115 120 125

Asn Ala Gln Asp Lys Leu Glu Leu His Leu Phe Met Leu Ser Gly Ile
130 135 140

Pro Asp Thr Val Phe Asp Leu Val Glu Leu Glu Val Leu Lys Leu Glu
 145 150 155 160
 Leu Ile Pro Asp Val Thr Ile Pro Pro Ser Ile Ala Gln Leu Thr Gly
 165 170 175
 Leu Lys Glu Leu Trp Leu Tyr His Thr Ala Ala Lys Ile Glu Ala Pro
 180 185 190
 Ala Leu Ala Phe Leu Arg Glu Asn Leu Arg Ala Leu His Ile Lys Phe
 195 200 205
 Thr Asp Ile Lys Glu Ile Pro Leu Trp Ile Tyr Ser Leu Lys Thr Leu
 210 215 220
 Glu Glu Leu His Leu Thr Gly Asn Leu Ser Ala Glu Asn Asn Arg Tyr
 225 230 235 240
 Ile Val Ile Asp Gly Leu Arg Glu Leu Lys Arg Leu Lys Val Leu Arg
 245 250 255
 Leu Lys Ser Asn Leu Ser Lys Leu Pro Gln Val Val Thr Asp Val Gly
 260 265 270
 Val His Leu Gln Lys Leu Ser Ile Asn Asn Glu Gly Thr Lys Leu Ile
 275 280 285
 Val Leu Asn Ser Leu Lys Lys Met Ala Lys Pro Asp
 290 295 300

<210> 916

<211> 157

<212> PRT

<213> Homo sapiens

<400> 916

Gln Val Ala Met Gly Ser Leu Ser Gly Leu Arg Leu Ala Ala Gly Ser
 1 5 10 15
 Cys Phe Arg Leu Cys Glu Arg Asp Val Ser Ser Ser Leu Arg Leu Thr
 20 25 30
 Arg Ser Ser Asp Leu Lys Arg Ile Asn Gly Phe Cys Thr Lys Pro Gln
 35 40 45
 Glu Ser Pro Gly Ala Pro Ser Arg Thr Tyr Asn Arg Val Pro Leu His
 50 55 60

Lys Pro Thr Asp Trp Gln Lys Lys Ile Leu Ile Trp Ser Gly Arg Phe
65 70 75 80
Lys Lys Glu Asp Glu Ile Pro Glu Thr Val Ser Leu Glu Met Leu Asp
85 90 95
Ala Ala Lys Asn Lys Met Arg Val Lys Ile Ser Tyr Leu Met Ile Ala
100 105 110
Leu Thr Val Val Gly Cys Ile Phe Met Val Ile Glu Gly Lys Lys Ala
115 120 125
Ala Gln Arg His Glu Thr Leu Thr Ser Leu Asn Leu Glu Lys Lys Ala
130 135 140
Arg Leu Lys Glu Glu Ala Ala Met Lys Ala Lys Thr Glu
145 150 155

<210> 917
<211> 77
<212> PRT
<213> Homo sapiens

<400> 917
Ile Lys Val Met Asn Lys Thr Phe His Pro Leu Lys His Phe Pro Val
1 5 10 15
Leu Arg Phe Leu Phe Val Phe Val Val Ser Ser Pro Cys Tyr Pro Phe
20 25 30
Cys Pro Phe Ser Leu Thr Met Val Ile Trp Ser Leu Gly Ser Tyr Gln
35 40 45
Ser Pro Arg Asp Ile Leu Gln Ser Leu Ser Pro Phe Trp Val Asp Phe
50 55 60
Ile Leu Phe Tyr Phe Val Phe Phe Lys Lys Ile Thr Phe
65 70 75

<210> 918
<211> 187
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 918

Thr Phe Ala Ala Ala Leu Ser Ser Ser Xaa Gly Cys Pro Ser Arg Ala
1 5 10 15

Gln Val Thr Thr Asp Xaa Leu Pro Ala Cys Arg Ser Cys Ala Cys Arg
20 25 30

Pro Ala Gly Leu Cys Thr Leu Gln Thr Thr Leu Leu Trp Phe Leu Gly
35 40 45

Arg Ala Gln Gln Tyr Leu Ala Ala Trp Asp Pro Ala Ser Phe Leu Leu
50 55 60

Leu Ile Gln Lys Asp Leu Pro Pro Leu Leu His Glu Ala Glu Ala Leu
65 70 75 80

Tyr Ser Leu Ala Ser Glu Glu Ser Leu Ala Leu Glu Val Glu Gln Gln
85 90 95

Leu Gly Leu Glu Ile Gln Lys Leu Thr Ala Gln Ile Gln Leu Leu Pro
100 105 110

Glu Glu Ser Leu Ser Val Phe Ser Gln Glu Cys His Lys Gln Ala Met
115 120 125

Gln Gly Phe Lys Leu Tyr Met Pro Arg Gly Arg Tyr Trp Arg Leu Arg
130 135 140

Leu Cys Pro Glu Pro Pro Ser Ala Pro Ser Glu Tyr Ala Gly Leu Val
145 150 155 160

Val Arg Thr Val Leu Glu Pro Val Leu Gln Gly Leu Gln Gly Leu His
165 170 175

Leu Lys Pro Arg Pro Leu Pro Leu Val Arg Leu
180 185

<210> 919

<211> 260

<212> PRT

<213> Homo sapiens

<400> 919

Asn Ser Arg Thr Asp Val Arg Met Glu Thr Asp Leu Glu Val Ile Ile
1 5 10 15

Lys Asp Asn Ser Leu Val Leu Thr Pro Ser His Ile Lys Ala Tyr Met
20 25 30

Leu Met Thr Leu Gln Gly Leu Glu Tyr Leu His Gln His Trp Ile Leu
35 40 45

His Arg Asp Leu Lys Pro Asn Asn Leu Leu Leu Asp Glu Asn Gly Val
50 55 60

Leu Lys Leu Ala Asp Phe Gly Leu Ala Lys Ser Phe Gly Ser Pro Asn
65 70 75 80

Arg Ala Tyr Thr His Gln Val Val Thr Arg Trp Tyr Arg Ala Pro Glu
85 90 95

Leu Leu Phe Gly Ala Arg Met Tyr Gly Val Gly Val Asp Met Trp Ala
100 105 110

Val Gly Cys Ile Leu Ala Glu Leu Leu Arg Val Pro Phe Leu Pro
115 120 125

Gly Asp Ser Asp Leu Asp Gln Leu Thr Arg Ile Phe Glu Thr Leu Gly
130 135 140

Thr Pro Thr Glu Glu Gln Trp Pro Asp Met Cys Ser Leu Pro Asp Tyr
145 150 155 160

Val Thr Phe Lys Ser Phe Pro Gly Ile Pro Leu His His Ile Phe Ser
165 170 175

Ala Ala Gly Asp Asp Leu Leu Asp Leu Ile Gln Gly Leu Phe Leu Phe
180 185 190

Asn Pro Cys Ala Arg Ile Thr Ala Thr Gln Ala Leu Lys Met Lys Tyr
195 200 205

Phe Ser Asn Ala Pro Gly Pro Thr Pro Gly Cys Gln Leu Pro Arg Pro
210 215 220

Asn Cys Pro Val Glu Thr Leu Lys Glu Gln Ser Asn Pro Ala Leu Ala
225 230 235 240

Ile Lys Arg Lys Arg Thr Glu Ala Leu Glu Gln Gly Gly Leu Pro Lys
245 250 255

Lys Leu Ile Phe
260

<210> 920
<211> 345
<212> PRT
<213> Homo sapiens

<400> 920
Leu Pro Val Arg Ala Glu Pro Thr Arg Ala Ala Ala Met Ser Gly Asp
1 5 10 15
Glu Met Ile Phe Asp Pro Thr Met Ser Lys Lys Lys Lys Lys Lys Lys
20 25 30
Lys Pro Phe Met Leu Asp Glu Glu Gly Asp Thr Gln Thr Glu Glu Thr
35 40 45
Gln Pro Ser Glu Thr Lys Glu Val Glu Pro Glu Pro Thr Glu Asp Lys
50 55 60
Asp Leu Glu Ala Asp Glu Glu Asp Thr Arg Lys Lys Asp Ala Ser Asp
65 70 75 80
Asp Leu Asp Asp Leu Asn Phe Phe Asn Gln Lys Lys Lys Lys Lys Lys
85 90 95
Thr Lys Lys Ile Phe Asp Ile Asp Glu Ala Glu Glu Gly Val Lys Asp
100 105 110
Leu Lys Ile Glu Ser Asp Val Gln Glu Pro Thr Glu Pro Glu Asp Asp
115 120 125
Leu Asp Ile Met Leu Gly Asn Lys Lys Lys Lys Lys Lys Asn Val Lys
130 135 140
Phe Pro Asp Glu Asp Glu Ile Leu Glu Lys Asp Glu Ala Leu Glu Asp
145 150 155 160
Glu Asp Asn Lys Lys Asp Asp Gly Ile Ser Phe Ser Asn Gln Thr Gly
165 170 175
Pro Ala Trp Ala Gly Ser Glu Arg Asp Tyr Thr Tyr Glu Glu Leu Leu
180 185 190
Asn Arg Val Phe Asn Ile Met Arg Glu Lys Asn Pro Asp Met Val Ala
195 200 205
Gly Glu Lys Arg Lys Phe Val Met Lys Pro Pro Gln Val Val Arg Val
210 215 220

Gly Thr Lys Lys Thr Ser Phe Val Asn Phe Thr Asp Ile Cys Lys Leu
225 230 235 240
Leu His Arg Gln Pro Lys His Leu Leu Ala Phe Leu Leu Ala Glu Leu
245 250 255
Gly Thr Ser Gly Ser Ile Asp Gly Asn Asn Gln Leu Val Ile Lys Gly
260 265 270
Arg Phe Gln Gln Lys Gln Ile Glu Asn Val Leu Arg Arg Tyr Ile Lys
275 280 285
Glu Tyr Val Thr Cys His Thr Cys Arg Ser Pro Asp Thr Ile Leu Gln
290 295 300
Lys Asp Thr Arg Leu Tyr Phe Leu Gln Cys Glu Thr Cys His Ser Arg
305 310 315 320
Cys Ser Val Ala Ser Ile Lys Thr Gly Phe Gln Ala Val Thr Gly Lys
325 330 335
Arg Ala Gln Leu Arg Ala Lys Ala Asn
340 345

<210> 921
<211> 34
<212> PRT
<213> Homo sapiens

<400> 921
Pro Val Gln Arg Lys Ile Glu Ala Arg Ser Ala Glu Asp Ser Phe Thr
1 5 10 15
Gly Phe Val Arg Thr Leu Tyr Phe Ala Asp Thr Tyr Leu Lys Glu Cys
20 25 30
Gln Gly

<210> 922
<211> 215
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 922

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Trp Ile Pro Ala Gln Asp Ser His Val Pro Pro Gly Leu Ser Met Ala
 1             5             10             15

Leu Ser Trp Val Leu Thr Val Leu Ser Leu Leu Pro Leu Leu Glu Ala
      20             25             30

Gln Ile Pro Leu Cys Ala Asn Leu Val Pro Val Pro Ile Thr Asn Ala
      35             40             45

Thr Leu Asp Xaa Ile Thr Gly Lys Trp Phe Tyr Ile Ala Ser Ala Phe
 50             55             60

Arg Asn Glu Glu Tyr Asn Lys Ser Val Gln Glu Ile Gln Ala Thr Phe
 65             70             75             80

Phe Tyr Phe Thr Pro Asn Lys Thr Glu Asp Thr Ile Phe Leu Arg Glu
      85             90             95

Tyr Gln Thr Arg Gln Asp Gln Cys Ile Tyr Asn Thr Thr Tyr Leu Asn
      100             105             110

Val Gln Arg Glu Asn Gly Thr Ile Ser Arg Tyr Val Gly Gly Gln Glu
      115             120             125

His Phe Ala His Leu Leu Ile Leu Arg Asp Thr Lys Thr Tyr Met Leu
      130             135             140

Ala Phe Asp Val Asn Asp Glu Lys Asn Trp Gly Leu Ser Val Tyr Ala
      145             150             155             160

Asp Lys Pro Glu Thr Thr Lys Glu Gln Leu Gly Glu Phe Tyr Glu Ala
      165             170             175

Leu Asp Cys Leu Arg Ile Pro Lys Ser Asp Val Val Tyr Thr Asp Trp
      180             185             190

Lys Lys Asp Lys Cys Glu Pro Leu Glu Lys Gln His Glu Lys Glu Arg
      195             200             205

Lys Gln Glu Glu Gly Glu Ser
      210             215

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<210> 923

<211> 358

<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 923

Cys Ala Met Pro Ile Gly Cys Pro Xaa Ser Ser Leu Gly Asn Ser Ala
1 5 10 15
Arg Leu Xaa Gln Lys Gln Gln Gln Xaa Ala Gly Arg Glu Thr Ser Thr
20 25 30
Cys Ser Leu Arg Ile Ile Ser Ala Pro Thr Met Ala Thr Phe Val Glu
35 40 45
Leu Ser Thr Lys Ala Lys Met Pro Ile Val Gly Leu Gly Thr Trp Lys
50 55 60
Ser Pro Leu Gly Lys Val Lys Glu Ala Val Lys Val Ala Ile Asp Ala
65 70 75 80
Gly Tyr Arg His Ile Asp Cys Ala Tyr Val Tyr Gln Asn Glu His Glu
85 90 95
Val Gly Glu Ala Ile Gln Glu Lys Ile Gln Glu Lys Ala Val Lys Arg
100 105 110
Glu Asp Leu Phe Ile Val Ser Lys Leu Trp Pro Thr Phe Phe Glu Arg
115 120 125
Pro Leu Val Arg Lys Ala Phe Glu Lys Thr Leu Lys Asp Leu Lys Leu
130 135 140
Ser Tyr Leu Asp Val Tyr Leu Ile His Trp Pro Gln Gly Phe Lys Ser
145 150 155 160
Gly Asp Asp Leu Phe Pro Lys Asp Asp Lys Gly Asn Ala Ile Gly Gly
165 170 175
Lys Ala Thr Phe Leu Asp Ala Trp Glu Ala Met Glu Glu Leu Val Asp

180 185 190
 Glu Gly Leu Val Lys Ala Leu Gly Val Ser Asn Phe Ser His Phe Gln
 195 200 205
 Ile Glu Lys Leu Leu Asn Lys Pro Gly Leu Lys Tyr Lys Pro Val Thr
 210 215 220
 Asn Gln Val Glu Cys His Pro Tyr Leu Thr Gln Glu Lys Leu Ile Gln
 225 230 235 240
 Tyr Cys His Ser Lys Gly Ile Thr Val Thr Ala Tyr Ser Pro Leu Gly
 245 250 255
 Ser Pro Asp Arg Pro Trp Ala Lys Pro Glu Asp Pro Ser Leu Leu Glu
 260 265 270
 Asp Pro Lys Ile Lys Glu Ile Ala Ala Lys His Lys Lys Thr Ala Ala
 275 280 285
 Gln Val Leu Ile Arg Phe His Ile Gln Arg Asn Val Ile Val Ile Pro
 290 295 300
 Lys Ser Val Thr Pro Ala Arg Ile Val Glu Asn Ile Gln Val Phe Asp
 305 310 315 320
 Phe Lys Leu Ser Asp Glu Glu Met Ala Thr Ile Leu Ser Phe Asn Arg
 325 330 335
 Asn Trp Arg Ala Cys Asn Val Leu Gln Ser Ser His Leu Glu Asp Tyr
 340 345 350
 Pro Phe Asp Ala Glu Tyr
 355

<210> 924

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 924

Asn Xaa Ala Ser Met Pro Ser Pro Gln Arg Ala Ser Thr Arg Val Met
 1 5 10 15

Leu Ser Gly Asn Val Arg Cys Ser Cys His Arg Gly Pro Pro Pro Gly
20 25 30
Lys Cys Leu Val Ser Ser Gly Ser Arg Pro Gln Glu Arg Val Pro Cys
35 40 45
Gly Ala Leu Gly Ala Gly Pro Asp His His Gln Asp Ser Ser Leu Gly
50 55 60
Asp Arg Val Asn Ala Ile Ser Lys Asn Lys Asn
65 70 75

<210> 925
<211> 252
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (226)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (227)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (229)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (249)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 925

Ala Thr Ala Asp Lys Glu Xaa Pro Gly Lys His Gln Lys Gly Asp Glu
1 5 10 15

Val Ala Gly Ala Gly Arg Phe Ser Glu Arg Leu Pro Glu Cys Gly Arg
20 25 30

Ala Ala Val Thr His Gln Trp Leu Ser Gln Tyr Pro Arg Ser Ser Arg
35 40 45

Gly Xaa His Ala His Xaa Val Asn Pro Pro Tyr Tyr Ile Pro Leu Val
50 55 60

Glu Leu Val Pro His Pro Glu Thr Ala Pro Thr Thr Val Asp Arg Thr
65 70 75 80

His Ala Leu Met Lys Lys Ile Gly Gln Cys Pro Met Arg Val Gln Lys
85 90 95

Glu Val Ala Gly Phe Val Leu Asn Arg Leu Gln Tyr Ala Ile Ile Ser
100 105 110

Glu Ala Trp Arg Leu Val Glu Glu Gly Ile Val Ser Pro Ser Asp Leu
115 120 125

Asp Leu Val Met Ser Glu Gly Leu Gly Met Arg Tyr Ala Phe Ile Gly
130 135 140

Pro Leu Glu Thr Met His Leu Asn Ala Glu Gly Met Leu Ser Tyr Cys
145 150 155 160

Asp Arg Tyr Ser Glu Gly Ile Lys His Val Leu Gln Thr Phe Gly Pro
165 170 175

Ile Pro Glu Phe Ser Arg Ala Thr Ala Glu Lys Val Asn Gln Asp Met
180 185 190

Cys Met Lys Val Pro Asp Asp Pro Glu His Leu Ala Ala Arg Arg Gln
195 200 205

Trp Arg Asp Glu Cys Leu Met Arg Leu Ala Lys Leu Lys Ser Gln Val
210 215 220

Gln Xaa Xaa Trp Xaa Phe Pro Pro Phe Leu Phe Ser Leu Ile Ala Phe
225 230 235 240

Asp Tyr Ile Leu Gln Pro Val Ile Xaa Val Ser Trp
245 250

<210> 926
<211> 220
<212> PRT
<213> Homo sapiens

<400> 926

Arg Pro Pro Leu Ser Trp Ser Ala Gly Pro Ser Leu Ala Ala Pro Ala
1 5 10 15
Ala Met Ser Ser Glu Met Glu Pro Leu Leu Trp Ala Trp Ser Tyr Phe
20 25 30
Arg Arg Arg Lys Phe Gln Leu Trp Pro Ile Tyr Ala Arg Arg Cys Trp
35 40 45
Arg Ser Pro Leu Met Thr Arg Arg Leu Leu Gln Met Gly Ile Tyr Asn
50 55 60
Gly Gln Leu Phe Asn Asn Leu Gly Leu Cys Cys Phe Tyr Ala Gln Gln
65 70 75 80
Tyr Asp Met Thr Leu Thr Ser Phe Glu Arg Ala Leu Ser Leu Ala Glu
85 90 95
Asn Glu Glu Glu Ala Ala Asp Val Trp Tyr Asn Leu Gly His Val Ala
100 105 110
Val Gly Ile Gly Asp Thr Asn Leu Ala His Gln Cys Phe Arg Leu Ala
115 120 125
Leu Val Asn Asn Asn Asn His Ala Glu Ala Tyr Asn Asn Leu Ala Val
130 135 140
Leu Glu Met Arg Lys Gly His Val Glu Gln Ala Arg Ala Leu Leu Gln
145 150 155 160
Thr Ala Ser Ser Leu Ala Pro His Met Tyr Glu Pro His Phe Asn Phe
165 170 175
Ala Thr Ile Ser Asp Lys Ile Gly Asp Leu Gln Arg Ser Tyr Val Ala
180 185 190
Ala Gln Lys Ser Glu Ala Ala Phe Pro Asp His Val Asp Thr Gln His
195 200 205
Leu Ile Lys Gln Leu Arg Gln His Phe Ala Met Leu
210 215 220

<210> 927
<211> 105
<212> PRT
<213> Homo sapiens

<400> 927
Ser Ser Trp Met Ser Ile Ser Ala Tyr Cys His Pro Ile Glu Thr Leu
1 5 10 15
Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
20 25 30
Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
35 40 45
Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
50 55 60
Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
65 70 75 80
Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg
85 90 95
Gln Glu Lys Cys Asp Lys Pro Arg Arg
100 105

<210> 928
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 928

Ser Ser Leu Gly Lys Leu Asp His Gln Xaa Phe Ser Leu Asp Arg Val
1 5 10 15

Ser Leu Val Asn Lys Gly Asp Thr Gly Asn Pro Glu Trp Thr Val Ile
20 25 30

Cys Val Gly Xaa His Ser Gly Ser Gly Ala Ser Asp Thr Leu Xaa Pro
35 40 45

Lys Thr Ala Pro Ser Phe Arg Leu Ala Tyr Glu Met Met Phe Met Cys
50 55 60

Phe Leu Glu Thr Arg Trp Lys Glu Arg Gly Arg Ile Asn Phe Leu Ile
65 70 75 80

Leu Leu Leu Leu Asn Val Met
85

<210> 929

<211> 263

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (252)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (257)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 929

Ala Arg Ile Gly His Cys Val Glu Pro Pro Gly Ala Glu Ile Arg Met
1 5 10 15

Phe Arg Phe Met Arg Asp Val Glu Pro Glu Asp Pro Met Phe Leu Met
20 25 30

Asp Pro Phe Ala Ile His Arg Gln His Met Ser Arg Met Leu Ser Gly
35 40 45

Gly Phe Gly Tyr Ser Pro Phe Leu Ser Ile Thr Asp Gly Asn Met Pro
50 55 60

Gly Thr Arg Pro Ala Ser Arg Arg Met Gln Gln Ala Gly Ala Val Ser
65 70 75 80

Pro Phe Gly Met Leu Gly Met Ser Gly Gly Phe Met Asp Met Phe Gly
 85 90 95
 Met Met Asn Asp Met Ile Gly Asn Met Glu His Met Thr Ala Gly Gly
 100 105 110
 Asn Cys Gln Thr Phe Ser Ser Ser Thr Val Ile Ser Tyr Ser Asn Thr
 115 120 125
 Gly Asp Gly Ala Pro Lys Val Tyr Gln Glu Thr Ser Glu Met Arg Ser
 130 135 140
 Ala Pro Gly Gly Ile Arg Glu Thr Arg Arg Thr Val Arg Asp Ser Asp
 145 150 155 160
 Ser Gly Leu Glu Gln Met Ser Ile Gly His His Ile Arg Asp Arg Ala
 165 170 175
 His Ile Leu Gln Arg Ser Arg Asn His Arg Thr Gly Asp Gln Glu Glu
 180 185 190
 Arg Gln Asp Tyr Ile Asn Leu Asp Glu Ser Glu Ala Ala Ala Phe Asp
 195 200 205
 Asp Glu Trp Arg Arg Glu Thr Ser Arg Phe Arg Gln Gln Arg Pro Leu
 210 215 220
 Glu Phe Arg Arg Leu Glu Ser Ser Gly Ala Gly Gly Arg Arg Arg Arg
 225 230 235 240
 Gly Leu Pro Ala Trp Pro Ser Arg Asp Leu Arg Xaa Pro Leu Ser Arg
 245 250 255
 Xaa Ser Arg Arg Tyr Asp Trp
 260

<210> 930

<211> 308

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (225)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 930

Gly Leu Asn Pro Gly Leu Val Gly Leu Ser Val Ser Tyr Ser Leu Gln
1 5 10 15
Val Thr Phe Ala Leu Asn Trp Met Ile Arg Met Met Ser Asp Leu Glu
20 25 30
Ser Asn Ile Val Ala Val Glu Arg Val Lys Glu Tyr Ser Lys Thr Glu
35 40 45
Thr Glu Ala Pro Trp Val Val Glu Gly Ser Arg Pro Pro Glu Gly Trp
50 55 60
Pro Pro Arg Gly Glu Val Glu Phe Arg Asn Tyr Ser Val Arg Tyr Arg
65 70 75 80
Pro Gly Leu Asp Leu Val Leu Arg Asp Leu Ser Leu His Val His Gly
85 90 95
Gly Glu Lys Val Gly Ile Val Gly Arg Thr Gly Ala Gly Xaa Ser Ser
100 105 110
Met Thr Xaa Cys Leu Phe Arg Ile Leu Glu Ala Ala Lys Gly Glu Ile
115 120 125
Arg Ile Asp Gly Leu Asn Val Ala Asp Ile Gly Leu His Asp Leu Arg
130 135 140
Ser Gln Leu Thr Ile Ile Pro Xaa Asp Pro Ile Leu Phe Ser Gly Thr
145 150 155 160
Leu Arg Met Asn Leu Asp Pro Phe Gly Ser Tyr Ser Glu Glu Asp Ile
165 170 175
Trp Trp Ala Leu Glu Leu Ser His Leu His Thr Phe Val Ser Ser Gln
180 185 190
Pro Ala Ala Trp Asp Phe Gln Cys Ser Glu Gly Gly Glu Asn Leu Ser

195 200 205
Val Gly Gln Arg Gln Leu Val Cys Leu Ala Arg Ala Leu Leu Arg Lys
210 215 220
Xaa Arg Ile Leu Val Leu Asp Glu Ala Thr Ala Ala Ile Asp Leu Glu
225 230 235 240
Thr Asp Asn Leu Ile Gln Ala Thr Ile Arg Thr Gln Phe Asp Thr Cys
245 250 255
Thr Val Leu Thr Ile Ala His Arg Leu Asn Thr Ile Met Asp Tyr Thr
260 265 270
Arg Val Leu Val Leu Asp Lys Gly Val Val Ala Glu Phe Asp Ser Pro
275 280 285
Ala Asn Leu Ile Ala Ala Arg Gly Ile Phe Tyr Gly Met Ala Arg Asp
290 295 300
Ala Gly Leu Ala
305

<210> 931
<211> 46
<212> PRT
<213> Homo sapiens

<400> 931
Arg Gly Cys Ala Leu Ser Cys Ala Asp Val Gln His Leu Leu Tyr Phe
1 5 10 15
Asn Gly Ile Val Leu Leu Asp His Tyr Arg Thr Thr Asn Cys Gln Arg
20 25 30
Val Asn Thr Asp Asp Pro Asp Leu Thr Leu Asn Pro Leu Asp
35 40 45

<210> 932
<211> 334
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (191)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (227)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (246)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 932
Glu Arg Glu Thr Ser Ser Leu Leu Leu Gly Leu Ser Val Cys Ala
1 5 10 15
Thr Gly Arg Lys Ala Cys Val Arg Leu Arg Glu Trp Ala Leu Ser Arg
20 25 30
Pro Leu Thr Met Glu Glu Leu Glu Gln Gly Leu Leu Met Gln Pro Trp
35 40 45
Ala Trp Leu Gln Leu Ala Glu Asn Ser Leu Leu Ala Lys Val Phe Ile
50 55 60
Thr Lys Gln Gly Tyr Ala Leu Leu Val Ser Asp Leu Gln Gln Val Trp
65 70 75 80
His Glu Gln Val Asp Thr Ser Val Val Ser Gln Arg Ala Lys Glu Leu
85 90 95
Asn Lys Arg Leu Thr Ala Pro Pro Ala Ala Phe Leu Cys His Leu Asp
100 105 110
Asn Leu Leu Arg Pro Leu Leu Lys Asp Ala Ala His Pro Ser Xaa Ala
115 120 125
Thr Phe Ser Cys Asp Cys Val Ala Asp Ala Leu Ile Leu Arg Val Arg
130 135 140
Ser Glu Leu Ser Gly Leu Pro Phe Tyr Trp Asn Phe His Cys Met Leu
145 150 155 160
Ala Ser Pro Ser Leu Val Ser Gln His Leu Ile Arg Pro Leu Met Gly
165 170 175
Met Ser Leu Ala Leu Gln Cys Gln Val Arg Glu Leu Ala Thr Xaa Leu

180 185 190
His Met Lys Asp Leu Glu Ile Gln Asp Tyr Gln Glu Ser Gly Ala Thr
195 200 205
Leu Ile Arg Asp Arg Leu Lys Thr Glu Pro Phe Glu Glu Asn Ser Phe
210 215 220
Leu Glu Xaa Phe Met Ile Glu Lys Leu Pro Glu Ala Cys Ser Ile Gly
225 230 235 240
Asp Gly Lys Pro Phe Xaa Met Asn Leu Gln Asp Leu Tyr Met Ala Val
245 250 255
Thr Thr Gln Glu Val Gln Val Gly Gln Lys His Gln Gly Ala Gly Asp
260 265 270
Pro His Thr Ser Asn Ser Ala Ser Leu Gln Gly Ile Asp Ser Gln Cys
275 280 285
Val Asn Gln Pro Glu Gln Leu Val Ser Ser Ala Pro Thr Leu Ser Ala
290 295 300
Pro Glu Lys Glu Ser Thr Gly Thr Ser Gly Pro Leu Gln Arg Pro Gln
305 310 315 320
Leu Ser Lys Val Lys Arg Lys Lys Pro Arg Gly Leu Phe Ser
325 330

<210> 933
<211> 89
<212> PRT
<213> Homo sapiens

<400> 933
Pro Ser Cys Gln Arg Pro Lys Ser Val Ser Trp Cys His Val His Thr
1 5 10 15
Pro Cys His Phe Thr Leu His Leu Ser Pro Ser Phe Pro Met His Ala
20 25 30
Tyr Ser Glu His Pro Cys Val Gly Pro Ser Ser Ala Ser Arg Ala Cys
35 40 45
Ser Ala Val Gly Leu Phe Cys Gly Arg Lys Glu Ala Val Ser Ala Phe
50 55 60
Ser Asp Gly Thr Gly Val Glu Gly Arg Ser Cys Ile Val Ala Leu Leu
65 70 75 80

Asn Ser Pro Phe Cys Ser Ile Leu Val
85

<210> 934
<211> 314
<212> PRT
<213> Homo sapiens

<400> 934
Asp Pro Tyr Ser Gln Ser Ala Thr Ala Phe Asn Glu Met Ile Gln Glu
1 5 10 15
Asn Gly Tyr Asn Phe Asp Arg Ser Ser Ser Thr Phe Ser Gly Ile Lys
20 25 30
Glu Leu Ala Arg Arg Phe Ala Leu Thr Phe Gly Leu Asp Gln Leu Lys
35 40 45
Thr Arg Glu Ala Ile Ala Met Leu His Lys Asp Gly Ile Glu Phe Ala
50 55 60
Phe Lys Glu Pro Asn Pro Gln Gly Glu Ser His Pro Pro Leu Asn Leu
65 70 75 80
Ala Phe Leu Asp Ile Leu Ser Glu Phe Ser Ser Lys Leu Leu Arg Gln
85 90 95
Asp Lys Arg Thr Val Tyr Val Tyr Leu Glu Lys Phe Met Thr Phe Gln
100 105 110
Met Ser Leu Arg Arg Glu Asp Val Trp Leu Pro Leu Met Ser Tyr Arg
115 120 125
Asn Ser Leu Leu Ala Gly Gly Asp Asp Asp Thr Met Ser Val Ile Ser
130 135 140
Gly Ile Ser Ser Arg Gly Ser Thr Val Arg Ser Lys Lys Ser Lys Pro
145 150 155 160
Ser Thr Gly Lys Arg Lys Val Val Glu Gly Met Gln Leu Ser Leu Thr
165 170 175
Glu Glu Ser Ser Ser Ser Asp Ser Met Trp Leu Ser Arg Glu Gln Thr
180 185 190
Leu His Thr Pro Val Met Met Gln Thr Pro Gln Leu Thr Ser Thr Ile
195 200 205

Met Arg Glu Pro Lys Arg Leu Arg Pro Glu Asp Ser Phe Met Ser Val
210 215 220
Tyr Pro Met Gln Thr Glu His His Gln Thr Pro Leu Asp Tyr Asn Arg
225 230 235 240
Arg Gly Thr Ser Leu Met Glu Asp Asp Glu Glu Pro Ile Val Glu Asp
245 250 255
Val Met Met Ser Ser Glu Gly Arg Ile Glu Asp Leu Asn Glu Gly Met
260 265 270
Asp Phe Asp Thr Met Asp Ile Asp Leu Pro Pro Ser Lys Asn Arg Arg
275 280 285
Glu Arg Thr Glu Leu Lys Pro Asp Phe Phe Asp Pro Ala Ser Ile Met
290 295 300
Asp Glu Ser Val Leu Gly Val Ser Met Phe
305 310

<210> 935
<211> 109
<212> PRT
<213> Homo sapiens

<400> 935
Thr His Leu Ile Lys Glu Asn Ile Phe Pro Ala Arg Lys Val Tyr Ser
1 5 10 15
Phe Ser Phe Lys Leu Ser His Leu Glu Gly Ser Cys Glu Leu Ala Tyr
20 25 30
Leu Gln Val Val Lys Val Pro Phe Ser Val Leu Phe Cys Phe Val Leu
35 40 45
Phe Phe Ser Phe Thr Gln Pro Asn Val Lys Val Val Asn Leu Gly Lys
50 55 60
Ser Leu Val Met Lys Cys Glu Ser Cys Tyr Gln Ile Tyr Phe Ser Asp
65 70 75 80
Val Ser Phe Leu Ile Leu Val Ala Asn Lys Thr Leu Thr Phe Ser Arg
85 90 95
Phe Ile Asp Glu Val Lys Ser Leu Val Cys Cys Glu Leu
100 105

<210> 936

<211> 82

<212> PRT

<213> Homo sapiens

<400> 936

Phe Gly Leu Phe Cys Thr Leu Tyr Lys Trp Thr His Ile Met Phe Ile
1 5 10 15

Phe Trp Val Cys Leu Leu Ser Phe Asn Ile Arg Phe Val Gly Ser Ser
20 25 30

Leu Leu Cys Val Val Leu Ser Cys Ser Leu Tyr Ser Val Pro Lys Tyr
35 40 45

Ser Ile Leu Gln Phe Thr His Ser Thr Leu Asp Ser Lys Cys Phe His
50 55 60

Ile Trp Ala Ile Thr Asn Ser Ala Ala Val Asn Ile His Ile His Ile
65 70 75 80

Phe Trp

<210> 937

<211> 237

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 937

Phe Gln Leu Tyr Glu Lys Phe Leu His Arg Tyr Lys Met Ile Ser Glu
1 5 10 15

Phe Thr Trp Pro Asn His Asp Leu Pro Ser Asp Lys Glu Ala Val Lys
20 25 30

Lys Leu Ile Glu Arg Cys Gly Phe Gln Asp Asp Val Ala Tyr Gly Lys
35 40 45

Thr Lys Ile Phe Ile Arg Thr Pro Arg Thr Leu Phe Thr Leu Glu Glu
50 55 60

Leu Arg Ala Gln Met Leu Ile Arg Ile Val Leu Phe Leu Gln Xaa Val
65 70 75 80

Trp Arg Gly Thr Xaa Ala Arg Met Arg Tyr Lys Arg Thr Lys Ala Ala
85 90 95

Leu Thr Ile Ile Arg Tyr Tyr Arg Arg Tyr Lys Val Lys Ser Tyr Ile
100 105 110

His Glu Val Ala Arg Arg Phe His Gly Val Lys Thr Met Arg Asp Tyr
115 120 125

Gly Lys His Val Lys Trp Pro Ser Pro Pro Lys Val Leu Arg Arg Phe
130 135 140

Glu Glu Ala Leu Gln Thr Ile Phe Asn Arg Trp Arg Ala Ser Gln Leu
145 150 155 160

Ile Lys Ser Ile Pro Ala Ser Asp Leu Pro Gln Val Arg Ala Lys Val
165 170 175

Ala Ala Val Glu Met Leu Lys Gly Gln Arg Ala Asp Leu Gly Leu Gln
180 185 190

Arg Ala Trp Glu Gly Asn Tyr Leu Ala Ser Lys Pro Asp Thr Pro Gln
195 200 205

Thr Ser Gly Thr Phe Val Pro Val Ala Asn Glu Leu Lys Arg Lys Asp
210 215 220

Lys Tyr Met Asn Val Leu Phe Ser Cys His Val Arg Lys
225 230 235

<210> 938

<211> 752

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (748)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 938

Ala Cys Trp Pro Ala Gly Leu Ser Arg His Ala Arg Pro Leu Ser Asn

1	5	10	15
Lys Met Leu Gln Gln Val Pro Glu Asn Ile Asn Phe Pro Ala Glu Glu	20	25	30
Glu Lys Ile Leu Glu Phe Trp Thr Glu Phe Asn Cys Phe Gln Glu Cys	35	40	45
Leu Lys Gln Ser Lys His Lys Pro Lys Phe Thr Phe Tyr Asp Gly Pro	50	55	60
Pro Phe Ala Thr Gly Leu Pro His Tyr Gly His Ile Leu Ala Gly Thr	65	70	75
Ile Lys Asp Ile Val Thr Arg Tyr Ala His Gln Ser Gly Phe His Val	85	90	95
Asp Arg Arg Phe Gly Trp Asp Cys His Gly Leu Pro Val Glu Tyr Glu	100	105	110
Ile Asp Lys Thr Leu Gly Ile Arg Gly Pro Glu Asp Val Ala Lys Met	115	120	125
Gly Ile Thr Glu Tyr Asn Asn Gln Cys Arg Ala Ile Val Met Arg Tyr	130	135	140
Ser Ala Glu Trp Lys Ser Thr Val Ser Arg Leu Gly Arg Trp Ile Asp	145	150	155
Phe Asp Asn Asp Tyr Lys Thr Leu Tyr Pro Gln Phe Met Glu Ser Val	165	170	175
Trp Trp Val Phe Lys Gln Leu Tyr Asp Lys Gly Leu Val Tyr Arg Gly	180	185	190
Val Lys Val Met Pro Phe Ser Thr Ala Cys Asn Thr Pro Leu Ser Asn	195	200	205
Phe Glu Ser His Gln Asn Tyr Lys Asp Val Gln Asp Pro Ser Val Phe	210	215	220
Val Thr Phe Pro Leu Glu Glu Asp Glu Thr Val Ser Leu Val Ala Trp	225	230	235
Thr Thr Thr Pro Trp Thr Leu Pro Ser Asn Leu Ala Val Cys Val Asn	245	250	255
Pro Glu Met Gln Tyr Val Lys Ile Lys Asp Val Ala Arg Gly Arg Leu	260	265	270
Leu Ile Leu Met Glu Ala Arg Leu Ser Ala Leu Tyr Lys Leu Glu Ser			

275 280 285
Asp Tyr Glu Ile Leu Glu Arg Phe Pro Gly Ala Tyr Leu Lys Gly Lys
290 295 300
Lys Tyr Arg Pro Leu Phe Asp Tyr Phe Leu Lys Cys Lys Glu Asn Gly
305 310 315 320
Ala Phe Thr Val Leu Val Asp Asn Tyr Val Lys Glu Glu Glu Gly Thr
325 330 335
Gly Val Val His Gln Ala Pro Tyr Phe Gly Ala Glu Asp Tyr Arg Val
340 345 350
Cys Met Asp Phe Asn Ile Ile Arg Lys Asp Ser Leu Pro Val Cys Pro
355 360 365
Val Asp Ala Ser Gly Cys Phe Thr Thr Glu Val Thr Asp Phe Ala Gly
370 375 380
Gln Tyr Val Lys Asp Ala Asp Lys Ser Ile Ile Arg Thr Leu Lys Glu
385 390 395 400
Gln Gly Arg Leu Leu Val Ala Thr Thr Phe Thr His Ser Tyr Pro Phe
405 410 415
Cys Trp Arg Ser Asp Thr Pro Leu Ile Tyr Lys Ala Val Pro Ser Trp
420 425 430
Phe Val Arg Val Glu Asn Met Val Asp Gln Leu Leu Arg Asn Asn Asp
435 440 445
Leu Cys Tyr Trp Val Pro Glu Leu Val Arg Glu Lys Arg Phe Gly Asn
450 455 460
Trp Leu Lys Asp Ala Arg Asp Trp Thr Ile Ser Arg Asn Arg Tyr Trp
465 470 475 480
Gly Thr Pro Ile Pro Leu Trp Val Ser Asp Asp Phe Glu Glu Val Val
485 490 495
Cys Ile Gly Ser Val Ala Glu Leu Glu Glu Leu Ser Gly Ala Lys Ile
500 505 510
Ser Asp Leu His Arg Glu Ser Val Asp His Leu Thr Ile Pro Ser Arg
515 520 525
Cys Gly Lys Gly Ser Leu His Arg Ile Ser Glu Val Phe Asp Cys Trp
530 535 540
Phe Glu Ser Gly Ser Met Pro Tyr Ala Gln Val His Tyr Pro Phe Glu

545 550 555 560
Asn Lys Arg Glu Phe Glu Asp Ala Phe Pro Ala Asp Phe Ile Ala Glu
 565 570 575
Gly Ile Asp Gln Thr Arg Gly Trp Phe Tyr Thr Leu Leu Val Leu Ala
 580 585 590
Thr Ala Leu Phe Gly Gln Pro Pro Phe Lys Asn Val Ile Val Asn Gly
 595 600 605
Leu Val Leu Ala Ser Asp Gly Gln Lys Met Ser Lys Arg Lys Lys Asn
 610 615 620
Tyr Pro Asp Pro Val Ser Ile Ile Gln Lys Tyr Gly Ala Asp Ala Leu
625 630 635 640
Arg Leu Tyr Leu Ile Asn Ser Pro Val Val Arg Ala Glu Asn Leu Arg
 645 650 655
Phe Lys Glu Glu Gly Val Arg Asp Val Leu Lys Asp Val Leu Leu Pro
 660 665 670
Trp Tyr Asn Ala Tyr Arg Phe Leu Ile Gln Asn Val Leu Arg Leu Gln
 675 680 685
Lys Glu Glu Glu Ile Glu Phe Leu Tyr Asn Glu Asn Thr Val Arg Glu
 690 695 700
Ser Pro Asn Ile Thr Asp Arg Trp Ile Leu Ser Phe Met Gln Ser Leu
705 710 715 720
Ile Gly Phe Phe Glu Thr Glu Met Ala Gly Glu Ser Leu Leu Val Cys
 725 730 735
Pro Pro Arg Asn Lys Asp Tyr Ser Leu Cys Asn Xaa Pro Phe Asp Ile
 740 745 750

<210> 939
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 939

Met Arg Arg Val Ile Leu His Ser Pro Leu Met Ser Gly Leu Arg Val
1 5 10 15
Ala Phe Pro Asp Thr Arg Lys Thr Tyr Cys Phe Asp Ala Phe Pro Ser
20 25 30
Ile Asp Lys Ile Ser Lys Val Thr Ser Pro Val Leu Val Ile His Gly
35 40 45
Thr Glu Asp Glu Val Ile Asp Phe Ser His Gly Leu Ala Met Tyr Glu
50 55 60
Arg Cys Pro Arg Ala Val Glu Pro Leu Trp Xaa Glu Gly Ala Gly His
65 70 75 80
Asn Asp Ile Glu Leu Tyr Ala Gln Tyr Leu Glu Arg Leu Lys Gln Phe
85 90 95
Ile Ser His Glu Leu Pro Asn Ser
100

<210> 940

<211> 557

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (248)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (273)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (323)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 940

Gly Glu Gly Gly Gly Xaa Arg Arg Gly Arg Pro Ala Ala Gly Arg Pro
1 5 10 15

Arg Arg Xaa Arg Thr Ala Gly Arg Xaa Gly Gly Thr Gly Ala Pro Ala
20 25 30

Gly Ala Ser Ala His Arg Asp Ala Gly Leu Leu Arg Glu Arg Pro Ala
35 40 45

Ala Gly Glu Ala Xaa Gly Arg Thr Glu Leu Ser Leu Arg Phe Leu
50 55 60

Ser Ala Glu Leu Thr Arg Gly Tyr Phe Leu Glu His Asn Glu Ala Lys
65 70 75 80

Tyr Thr Glu Arg Arg Glu Arg Val Tyr Thr Cys Leu Arg Ile Pro Arg
85 90 95

Glu Leu Glu Lys Leu Met Val Phe Gly Ile Phe Leu Cys Leu Asp Ala
100 105 110

Phe Leu Tyr Val Phe Thr Leu Leu Pro Leu Arg Val Phe Leu Ala Leu
115 120 125

Phe Arg Leu Leu Thr Leu Pro Cys Tyr Gly Leu Arg Asp Arg Arg Leu
130 135 140

Leu Gln Pro Ala Gln Val Cys Asp Ile Leu Lys Gly Val Ile Leu Val
145 150 155 160

Ile Cys Tyr Phe Met Met His Tyr Val Asp Tyr Ser Met Met Tyr His
165 170 175

Leu Ile Arg Gly Gln Ser Val Ile Lys Leu Tyr Ile Ile Tyr Asn Met
180 185 190

Leu Glu Val Ala Asp Arg Leu Phe Ser Ser Phe Gly Gln Asp Ile Leu
195 200 205

Asp Ala Leu Tyr Trp Thr Ala Thr Glu Pro Lys Glu Arg Lys Arg Ala
210 215 220

His Ile Gly Val Ile Pro His Phe Phe Met Ala Val Leu Tyr Val Phe
225 230 235 240

Leu His Ala Ile Leu Ile Met Xaa Gln Ala Thr Thr Leu Asn Val Ala
245 250 255

Phe Asn Ser His Asn Lys Ser Leu Ser Thr Ile Met Met Ser Asn Asn
260 265 270

Xaa Val Glu Ile Lys Gly Ser Val Phe Lys Lys Phe Glu Lys Asn Asn
275 280 285

Leu Phe Gln Met Ser Asn Ser Asp Ile Lys Glu Arg Phe Thr Asn Tyr
290 295 300

Val Leu Leu Leu Ile Val Cys Leu Arg Asn Met Glu Gln Phe Ser Trp
305 310 315 320

Asn Pro Xaa His Leu Trp Val Leu Phe Pro Asp Val Cys Met Val Ile
325 330 335

Ala Ser Glu Ile Ala Val Asp Ile Val Lys His Ala Phe Ile Thr Lys
340 345 350

Phe Asn Asp Ile Thr Ala Asp Val Tyr Ser Glu Tyr Arg Ala Ser Leu
355 360 365

Ala Phe Asp Leu Val Ser Ser Arg Gln Lys Asn Ala Tyr Thr Asp Tyr
370 375 380

Ser Asp Ser Val Ala Arg Arg Met Gly Phe Ile Pro Leu Pro Leu Ala
385 390 395 400

Val Leu Leu Ile Arg Val Val Thr Ser Ser Ile Lys Val Gln Gly Ile
405 410 415

Leu Ser Tyr Ala Cys Val Ile Leu Phe Tyr Phe Gly Leu Ile Ser Leu
420 425 430

Lys Val Leu Asn Ser Ile Val Leu Leu Gly Lys Ser Cys Gln Tyr Val
435 440 445

Lys Glu Ala Lys Met Glu Glu Lys Leu Ser Asn Pro Pro Ala Thr Cys
450 455 460

Thr Pro Gly Lys Pro Ser Ser Lys Ser Gln Asn Lys Cys Lys Pro Ser
465 470 475 480

Gln Gly Leu Ser Thr Glu Glu Asn Leu Ser Ala Ser Ile Thr Lys Gln
485 490 495

Pro Ile His Gln Lys Glu Asn Ile Ile Pro Leu Leu Val Thr Ser Asn
500 505 510

Ser Asp Gln Phe Leu Thr Thr Pro Asp Gly Asp Glu Lys Asp Ile Thr
515 520 525

Gln Asp Asn Ser Glu Leu Lys His Arg Ser Ser Lys Lys Asp Leu Leu
530 535 540

Glu Ile Asp Arg Phe Thr Ile Cys Gly Asn Arg Ile Asp
545 550 555

<210> 941

<211> 707

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (265)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (271)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (307)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 941

Pro Thr Arg Pro Val Leu Pro Val Ser Arg Cys Ser Gly Ala Phe Gln
1 5 10 15

Pro Ser Val Ser Arg Arg Ser Gln Ala Gly Ser Ser Lys Phe Pro Thr
20 25 30

Pro Leu Gly Pro Glu Asn Ser Gly Asn Pro Thr Leu Leu Ser Ser Ala
35 40 45

Gln Pro Glu Thr Arg Val Ser Tyr Trp Thr Lys Leu Leu Ser Gln Leu
50 55 60

Leu Ala Pro Leu Pro Gly Leu Leu Gln Lys Val Leu Ile Trp Ser Gln
65 70 75 80

Leu Phe Gly Gly Met Phe Pro Thr Arg Trp Leu Asp Phe Ala Gly Val
85 90 95

Tyr Ser Ala Leu Arg Ala Leu Lys Gly Arg Glu Lys Pro Ala Ala Pro
100 105 110

Thr Ala Gln Lys Ser Leu Ser Ser Leu Gln Leu Asp Ser Ser Asp Pro
115 120 125

Ser Val Thr Ser Pro Leu Asp Trp Leu Glu Glu Gly Ile His Trp Gln
130 135 140

Tyr Ser Pro Pro Asp Leu Lys Leu Glu Leu Lys Ala Lys Gly Ser Ala
145 150 155 160

Leu Asp Pro Ala Ala Gln Ala Phe Leu Leu Glu Gln Gln Leu Trp Gly
165 170 175

Val Glu Leu Leu Pro Ser Ser Leu Gln Ser Arg Leu Tyr Ser Asn Arg
180 185 190

Glu Leu Gly Ser Ser Pro Ser Gly Leu Leu Asn Ile Gln Arg Ile Asp
195 200 205

Asn Phe Ser Val Val Ser Tyr Leu Leu Asn Pro Ser Tyr Leu Asp Cys
210 215 220

Phe Pro Arg Leu Glu Val Ser Tyr Gln Asn Ser Asp Gly Asn Ser Glu
225 230 235 240

Val Val Gly Phe Gln Thr Leu Thr Pro Glu Ser Ser Cys Leu Arg Glu
245 250 255

Asp His Cys His Pro Gln Pro Leu Xaa Ala Glu Leu Ile Pro Xaa Ser
260 265 270

Trp Gln Gly Cys Pro Pro Leu Ser Thr Glu Gly Leu Pro Glu Ile His
275 280 285

His Leu Arg Met Lys Arg Leu Glu Phe Leu Gln Gln Ala Ser Lys Gly
290 295 300

Gln Asp Xaa Pro Thr Pro Asp Gln Asp Asn Gly Tyr His Ser Leu Glu
305 310 315 320

Glu	Glu	His	Ser	Leu	Leu	Arg	Met	Asp	Pro	Lys	His	Cys	Arg	Asp	Asn			
325										330			335					
Pro	Thr	Gln	Phe	Val	Pro	Ala	Ala	Gly	Asp	Ile	Pro	Gly	Asn	Thr	Gln			
340										345			350					
Glu	Ser	Thr	Glu	Glu	Lys	Ile	Glu	Leu	Leu	Thr	Thr	Glu	Val	Pro	Leu			
355										360			365					
Ala	Leu	Glu	Glu	Glu	Ser	Pro	Ser	Glu	Gly	Cys	Pro	Ser	Ser	Glu	Ile			
370										375			380					
Pro	Met	Glu	Lys	Glu	Pro	Gly	Glu	Gly	Arg	Ile	Ser	Val	Val	Asp	Tyr			
385										390			395				400	
Ser	Tyr	Leu	Glu	Gly	Asp	Leu	Pro	Ile	Ser	Ala	Arg	Pro	Ala	Cys	Ser			
405										410			415					
Asn	Lys	Leu	Ile	Asp	Tyr	Ile	Leu	Gly	Gly	Ala	Ser	Ser	Asp	Leu	Glu			
420										425			430					
Thr	Ser	Ser	Asp	Pro	Glu	Gly	Glu	Asp	Trp	Asp	Glu	Glu	Ala	Glu	Asp			
435										440			445					
Asp	Gly	Phe	Asp	Ser	Asp	Ser	Ser	Leu	Ser	Asp	Ser	Asp	Leu	Glu	Gln			
450										455			460					
Asp	Pro	Glu	Gly	Leu	His	Leu	Trp	Asn	Ser	Phe	Cys	Ser	Val	Asp	Pro			
465										470			475				480	
Tyr	Asn	Pro	Gln	Asn	Phe	Thr	Ala	Thr	Ile	Gln	Thr	Ala	Ala	Arg	Ile			
485										490			495					
Val	Pro	Glu	Glu	Pro	Ser	Asp	Ser	Glu	Lys	Asp	Leu	Ser	Gly	Lys	Ser			
500										505			510					
Asp	Leu	Glu	Asn	Ser	Ser	Gln	Ser	Gly	Ser	Leu	Pro	Glu	Thr	Pro	Glu			
515										520			525					
His	Ser	Ser	Gly	Glu	Glu	Asp	Asp	Trp	Glu	Ser	Ser	Ala	Asp	Glu	Ala			
530										535			540					
Glu	Ser	Leu	Lys	Leu	Trp	Asn	Ser	Phe	Cys	Asn	Ser	Asp	Asp	Pro	Tyr			
545										550			555				560	
Asn	Pro	Leu	Asn	Phe	Lys	Ala	Pro	Phe	Gln	Thr	Ser	Gly	Glu	Asn	Glu			
565										570			575					
Lys	Gly	Cys	Arg	Asp	Ser	Lys	Thr	Pro	Ser	Glu	Ser	Ile	Val	Ala	Ile			
580										585			590					

Ser Glu Cys His Thr Leu Leu Ser Cys Lys Val Gln Leu Leu Gly Ser
 595 600 605

Gln Glu Ser Glu Cys Pro Asp Ser Val Gln Arg Asp Val Leu Ser Gly
 610 615 620

Gly Arg His Thr His Val Lys Arg Lys Lys Val Thr Phe Leu Glu Glu
 625 630 635 640

Val Thr Glu Tyr Tyr Ile Ser Gly Asp Glu Asp Arg Lys Gly Pro Trp
 645 650 655

Glu Glu Phe Ala Arg Asp Gly Cys Arg Phe Gln Lys Arg Ile Gln Glu
 660 665 670

Thr Glu Asp Ala Ile Gly Tyr Cys Leu Thr Phe Glu His Arg Glu Arg
 675 680 685

Met Phe Asn Arg Leu Gln Gly Thr Cys Phe Lys Gly Leu Asn Val Leu
 690 695 700

Lys Gln Cys
 705

<210> 942

<211> 259

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 942

Arg Ile Thr Phe Ser Cys Ile Asn Tyr Ser Thr Gln Glu Leu Leu Arg
 1 5 10 15

Phe Pro Lys Leu His Asp Ala Ile Val Glu Val Val Thr Cys Leu Leu
 20 25 30

Arg Lys Arg Leu Pro Val Thr Asn Glu Met Val His Asn Leu Val Ala
 35 40 45

Ile Glu Leu Ala Tyr Ile Asn Thr Lys His Pro Asp Phe Ala Asp Ala
 50 55 60
 Cys Gly Xaa Met Asn Asn Asn Xaa Glu Glu Gln Arg Arg Asn Arg Leu
 65 70 75 80
 Ala Arg Glu Leu Pro Ser Ala Val Ser Arg Asp Lys Val Ala Ser Gly
 85 90 95
 Gly Gly Gly Val Gly Asp Gly Val Gln Glu Pro Thr Thr Gly Asn Trp
 100 105 110
 Arg Gly Met Leu Lys Thr Ser Lys Ala Glu Glu Leu Leu Ala Glu Glu
 115 120 125
 Lys Ser Lys Pro Ile Pro Ile Met Pro Ala Ser Pro Gln Lys Gly His
 130 135 140
 Ala Val Asn Leu Leu Asp Val Pro Val Pro Val Ala Arg Lys Leu Ser
 145 150 155 160
 Ala Arg Glu Gln Arg Asp Cys Glu Val Ile Glu Arg Leu Ile Lys Ser
 165 170 175
 Tyr Phe Leu Ile Val Arg Lys Asn Ile Gln Asp Ser Val Pro Lys Ala
 180 185 190
 Val Met His Phe Leu Val Asn His Val Lys Asp Thr Leu Gln Ser Glu
 195 200 205
 Leu Val Gly Gln Leu Tyr Lys Ser Ser Leu Leu Asp Asp Leu Leu Thr
 210 215 220
 Glu Ser Glu Asp Met Ala Gln Arg Arg Lys Glu Ala Ala Asp Met Leu
 225 230 235 240
 Lys Ala Leu Gln Gly Ala Ser Gln Ile Ile Ala Glu Ile Arg Glu Thr
 245 250 255
 His Leu Trp

<210> 943

<211> 369

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (185)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 943

Arg Cys Arg Gly Gly Arg Lys Met Glu Leu Gly Ser Cys Leu Glu Gly
 1 5 10 15

Gly Arg Glu Ala Ala Glu Glu Glu Gly Glu Pro Glu Val Lys Lys Arg
 20 25 30

Arg Leu Leu Cys Val Glu Phe Ala Ser Val Ala Ser Cys Asp Ala Ala
 35 40 45

Val Ala Gln Cys Phe Leu Ala Glu Asn Asp Trp Glu Met Glu Arg Ala
 50 55 60

Leu Asn Ser Tyr Phe Glu Pro Pro Val Glu Glu Ser Ala Leu Glu Arg
 65 70 75 80

Arg Pro Glu Thr Ile Ser Glu Pro Lys Thr Tyr Val Asp Leu Thr Asn
 85 90 95

Glu Glu Thr Thr Asp Ser Thr Thr Ser Lys Ile Ser Pro Ser Glu Asp
 100 105 110

Thr Gln Gln Glu Asn Gly Ser Met Phe Ser Leu Ile Thr Trp Asn Ile
 115 120 125

Asp Gly Leu Asp Leu Asn Asn Leu Ser Glu Arg Ala Arg Gly Val Cys
 130 135 140

Ser Tyr Leu Ala Leu Tyr Ser Pro Asp Val Ile Phe Leu Gln Glu Val
 145 150 155 160

Ile Pro Pro Tyr Tyr Ser Tyr Leu Lys Lys Arg Ser Ser Asn Tyr Glu
 165 170 175

Ile Ile Thr Gly His Glu Glu Gly Xaa Phe Thr Ala Ile Met Leu Lys
 180 185 190

Lys Ser Arg Val Lys Leu Lys Ser Gln Glu Ile Ile Pro Phe Pro Ser
 195 200 205

Thr Lys Met Met Arg Asn Leu Leu Cys Val His Val Asn Val Ser Gly
 210 215 220

Asn Glu Leu Cys Leu Met Thr Ser His Leu Glu Ser Thr Arg Gly His
 225 230 235 240

Ala Ala Glu Arg Met Asn Gln Leu Lys Met Val Leu Lys Lys Met Gln
 245 250 255

Glu Ala Pro Glu Ser Ala Thr Val Ile Phe Ala Gly Asp Thr Asn Leu
 260 265 270

Arg Asp Arg Glu Val Thr Arg Cys Gly Gly Leu Pro Asn Asn Ile Val
 275 280 285

Asp Val Trp Glu Phe Leu Gly Lys Pro Lys His Cys Gln Tyr Thr Trp
 290 295 300

Asp Thr Gln Met Asn Ser Asn Leu Gly Ile Thr Ala Ala Cys Lys Leu
 305 310 315 320

Arg Phe Asp Arg Ile Phe Phe Arg Ala Ala Ala Glu Glu Gly His Ile
 325 330 335

Ile Pro Arg Ser Leu Asp Leu Leu Gly Leu Glu Lys Leu Asp Cys Gly
 340 345 350

Arg Phe Pro Ser Asp His Trp Gly Leu Leu Cys Asn Leu Asp Ile Ile
 355 360 365

Leu

<210> 944

<211> 158

<212> PRT

<213> Homo sapiens

<400> 944

Tyr Ile Gln Phe Met Val Ser Tyr Asn Pro Thr Pro Arg Leu Asp Val
 1 5 10 15

Ser Ser Pro Asn Glu Ala Gly Arg Pro Glu Trp Glu Val His Val Ser
 20 25 30

Tyr His Ser Ser Phe Tyr Val Gly Gly Cys Ser Ala Ala Arg Arg Val
 35 40 45

Met Gly Val Asn Pro Tyr Ile Leu Lys Lys Asn Met Ile Leu Met Thr
 50 55 60

Asn His Phe Tyr Ala Ala Ile Leu Gly Tyr Asp Glu Gly Ile Leu Ser
 65 70 75 80

Asp Asp His Gly Leu Ala Ala Ala Leu Trp Arg Thr Phe Phe Asn Arg
 85 90 95

Lys Cys Glu Asp Pro Arg His Leu Glu Leu Leu Val Glu Tyr Val Arg
 100 105 110

Lys Gln Ile Gln Tyr Leu Asp Ser Met Asn Gly Glu Asp Leu Leu Leu
 115 120 125

Thr Gly Glu Val Ser Trp Arg Pro Leu Val Glu Lys Asn Pro Gln Ser
 130 135 140

Ile Leu Lys Pro His Ser Pro Thr Tyr Asn Asp Glu Gly Leu
 145 150 155

<210> 945

<211> 294

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 945

Lys Leu Val Pro Ala Arg Pro Xaa Asp Thr Gln Cys Arg Arg Pro Ser
 1 5 10 15

Arg Arg Arg Gln Ile Gly Ala Asp Ser Cys Pro Ala Pro Thr Ala Ser
 20 25 30

Ala Thr Met Ser His His Trp Gly Tyr Gly Lys His Asn Gly Pro Glu
 35 40 45

His Trp His Lys Asp Phe Pro Ile Ala Lys Gly Glu Arg Gln Ser Pro
 50 55 60

Val Asp Ile Asp Thr His Thr Ala Lys Tyr Asp Pro Ser Leu Lys Pro
 65 70 75 80

Leu Ser Val Ser Tyr Asp Gln Ala Thr Ser Leu Arg Ile Leu Asn Asn
 85 90 95

Gly His Ala Phe Asn Val Glu Phe Asp Asp Ser Gln Asp Lys Ala Val
 100 105 110

Leu Lys Gly Gly Pro Leu Asp Gly Thr Tyr Arg Leu Ile Gln Phe His
 115 120 125

Phe His Trp Gly Ser Leu Asp Gly Gln Gly Ser Glu His Thr Val Asp
 130 135 140

Lys Lys Lys Tyr Ala Ala Glu Leu His Leu Val His Trp Asn Thr Lys
 145 150 155 160
 Tyr Gly Asp Phe Gly Lys Ala Val Gln Gln Pro Asp Gly Leu Ala Val
 165 170 175
 Leu Gly Ile Phe Leu Lys Val Gly Ser Ala Lys Pro Gly Leu Gln Lys
 180 185 190
 Val Val Asp Val Leu Asp Ser Ile Lys Thr Lys Gly Lys Ser Ala Asp
 195 200 205
 Phe Thr Asn Phe Asp Pro Arg Gly Leu Leu Pro Glu Ser Leu Asp Tyr
 210 215 220
 Trp Thr Tyr Pro Gly Ser Leu Thr Thr Pro Pro Leu Leu Glu Cys Val
 225 230 235 240
 Thr Trp Ile Val Leu Lys Glu Pro Ile Ser Val Ser Ser Glu Gln Val
 245 250 255
 Leu Lys Phe Arg Lys Leu Asn Phe Asn Gly Glu Gly Glu Pro Glu Glu
 260 265 270
 Leu Met Val Asp Asn Trp Arg Pro Ala Gln Pro Leu Lys Asn Arg Gln
 275 280 285
 Ile Lys Ala Ser Phe Lys
 290

<210> 946

<211> 69

<212> PRT

<213> Homo sapiens

<400> 946

Lys Ser Ile Glu Gln Lys Gly Met His Ala Val Phe Gln Trp Leu Arg
 1 5 10 15
 His Ala Phe Tyr Ser Leu Thr Ser Ile His Phe Phe Thr Thr Cys Ile
 20 25 30
 Lys Thr Asn Asp Leu Cys Phe Cys His Arg Gln Lys Gln Val Asp Thr
 35 40 45
 Gly Gly Leu Ala Leu Leu Ile Asn Phe Phe Ser Ile Arg Phe Ser Leu
 50 55 60

Ile Met Leu Asn Phe
65

<210> 947

<211> 163

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 947

Leu Xaa Lys Gly Thr Lys Leu Xaa Leu His Arg Gly Ala Asp Arg Ser
1 5 10 15

Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Arg Ile Asn
20 25 30

Arg Ile Phe Arg Ile Cys Asn Leu Thr Arg Pro Gln Glu Gly Tyr Leu
35 40 45

Met Val Gln Gln Phe Gln Tyr Leu Gly Trp Ala Ser His Arg Glu Val
50 55 60

Pro Gly Ser Lys Arg Ser Phe Leu Lys Leu Ile Leu Gln Val Glu Lys
65 70 75 80

Trp Gln Glu Glu Cys Glu Glu Gly Glu Gly Arg Thr Ile Ile His Cys
85 90 95

Leu Asn Gly Gly Gly Arg Ser Gly Met Phe Cys Ala Ile Gly Ile Val
100 105 110

Val Glu Met Val Lys Arg Ala Lys Cys Cys Arg Cys Phe Pro Cys Ser
115 120 125

Lys Xaa Thr Glu Gly Thr Ala Ser Gln Thr Trp Trp Glu Ala Pro Glu

130 135 140
Gln Tyr Arg Phe Cys Tyr Asp Val Ala Leu Glu Tyr Leu Gly Ile Ile
145 150 155 160
Leu Val Gly

<210> 948
<211> 87
<212> PRT
<213> Homo sapiens

<400> 948
Thr Ser Leu Lys Pro Cys Arg Asn Glu Ser Leu Leu Leu Asn Glu Met
1 5 10 15
Leu Lys Pro Ile Lys Lys His Ala Val Met Pro Ser Phe Pro Phe His
20 25 30
Arg Val His Ala Ser Pro Ala Gly Glu Ser His Ala Ala Arg Gly Asn
35 40 45
Trp Leu His Ser Leu Gly Cys Cys Arg Thr Lys Arg Lys Glu Ala Ala
50 55 60
Lys Cys Leu Tyr Val Val Leu Asn Pro Arg Arg Ile Lys Cys Arg Gly
65 70 75 80
Gly Met Ala Lys Gly Gly Trp
85

<210> 949
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 949

Pro	Arg	Arg	His	Arg	Val	Pro	Gly	Ser	Gly	Phe	Ala	Phe	Pro	Lys	Asn
1				5					10					15	

Glu	Asn	Lys	Leu	Leu	Pro	Lys	Glu	Leu	Val	Phe	Pro	Leu	Leu	Phe	Ser
			20					25						30	

Asn	Cys	Glu	Gly	Pro	Arg	Gly	Val	Glu	His	Gly	Ala	Pro	His	Lys	Pro
		35					40							45	

Xaa	Gly	Trp	Cys	Pro	Gly	Tyr	Gln	Gly	His	Ala	Xaa	Gly	Leu	Asp	Asp
		50					55							60	

Leu	Ser	Leu	Gln	Gly	Ala	Leu	Val	Val	Xaa	Asn	Trp	Leu	Lys	Val	Thr
	65					70					75				80

Xaa	Glu	Gly	Xaa	Cys	Gly	Asn	Trp
						85	

<210> 950

<211> 77

<212> PRT

<213> Homo sapiens

<400> 950

Trp	Leu	Leu	Cys	Pro	Val	Arg	Val	Phe	Ser	Ser	Leu	Thr	Trp	Val	His
1				5						10				15	

Phe	Leu	Met	Ala	His	Met	Lys	Phe	Gly	Ser	Tyr	Gly	Leu	Thr	Leu	Ala
			20						25					30	

Met	Val	Leu	Ser	Tyr	Gly	Glu	Gln	His	Gln	Arg	Pro	Val	Thr	Cys	Lys
			35					40						45	

Leu Lys Ile Gln Cys Gln Gly Pro Ser Pro Ala Pro Leu Ile Glu Asn
50 55 60

Leu Leu Ala Ile Cys Ile Phe Arg Cys Ser Arg Leu Val
65 70 75

<210> 951

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 951

Thr Ser Gly Pro Lys Ser Ser Ala Cys Leu Ser Leu Pro Arg Cys Trp
1 5 10 15

Asp Tyr Lys Cys Glu Pro Leu Cys Thr Xaa Phe Val Leu Thr Tyr Phe
20 25 30

Glu Leu Ala Pro Tyr Ser Lys Ala Ala Ser
35 40

<210> 952

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 952

Ala Arg Lys Glu Ile Gln Tyr Cys Phe Trp Thr Leu Ile Lys Ser Cys
1 5 10 15

Ala Ile Asp Thr Tyr Met Ser His Leu Ala Val Leu Arg Arg Ala Ile
20 25 30

Ile Xaa Leu Gln Leu Thr Leu Glu Asn Ile Leu Ala Phe Glu His Phe
35 40 45

Ser Asn Asn Gln Val Asp Ser Arg Gly Ser

50

55

<210> 953

<211> 223

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (220)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 953

Arg Pro Cys Pro Glu Glu Ala Glu Ile Gly Ile Ala Met Gly Ser Gly
1 5 10 15

Thr Ala Val Ala Lys Thr Ala Ser Glu Met Val Leu Ala Asp Asp Asn
20 25 30

Phe Ser Thr Ile Val Xaa Ala Val Glu Glu Gly Arg Ala Ile Tyr Asn
35 40 45

Asn Met Lys Gln Phe Ile Arg Tyr Leu Ile Ser Ser Asn Val Gly Glu
50 55 60

Val Val Cys Ile Phe Leu Thr Ala Ala Leu Gly Leu Pro Glu Ala Leu
65 70 75 80

Ile Pro Val Gln Leu Leu Trp Val Asn Leu Val Thr Asp Gly Leu Pro
85 90 95

Ala Thr Ala Leu Gly Phe Asn Pro Pro Asp Leu Asp Ile Met Asp Arg
100 105 110

Pro Pro Arg Ser Pro Lys Glu Pro Leu Ile Ser Gly Trp Leu Phe Phe
115 120 125

Arg Tyr Met Ala Ile Gly Gly Tyr Val Gly Ala Ala Thr Val Gly Ala
130 135 140

Ala Ala Trp Trp Phe Leu Tyr Ala Glu Asp Gly Pro His Val Asn Tyr
145 150 155 160

Ser Gln Leu Thr His Phe Met Gln Cys Thr Glu Asp Asn Thr His Phe
165 170 175

Glu Gly Ile Xaa Cys Glu Val Phe Glu Ala Pro Glu Pro Met Thr Met
180 185 190

Ala Leu Ser Val Leu Val Thr Ile Glu Met Cys Asn Ala Leu Asn Ser
195 200 205

Leu Ser Glu Asn Gln Ser Leu Leu Arg Asn Cys Xaa Pro Trp Gly
210 215 220

<210> 954

<211> 412

<212> PRT

<213> Homo sapiens

<400> 954

His Glu Leu Met Gln Glu Ala Gly Asp Glu Cys Glu Pro Glu Trp Cys
1 5 10 15

Asp Ala Glu Asp Pro Leu Phe Ile Leu Tyr Thr Ser Gly Ser Thr Gly
20 25 30

Lys Pro Lys Gly Val Val His Thr Val Gly Gly Tyr Met Leu Tyr Val
35 40 45

Ala Thr Thr Phe Lys Tyr Val Phe Asp Phe His Ala Glu Asp Val Phe
50 55 60

Trp Cys Thr Ala Asp Ile Gly Trp Ile Thr Gly His Ser Tyr Val Thr
65 70 75 80

Tyr Gly Pro Leu Ala Asn Gly Ala Thr Ser Val Leu Phe Glu Gly Ile
85 90 95

Pro Thr Tyr Pro Asp Val Asn Arg Leu Trp Ser Ile Val Asp Lys Tyr
100 105 110

Lys Val Thr Lys Phe Tyr Thr Ala Pro Thr Ala Ile Arg Leu Leu Met
115 120 125

Lys Phe Gly Asp Glu Pro Val Thr Lys His Ser Arg Ala Ser Leu Gln
130 135 140

Val Leu Gly Thr Val Gly Glu Pro Ile Asn Pro Glu Ala Trp Leu Trp
145 150 155 160

Tyr His Arg Val Val Gly Ala Gln Arg Cys Pro Ile Val Asp Thr Phe
165 170 175

Trp Gln Thr Glu Thr Gly Gly His Met Leu Thr Pro Leu Pro Gly Ala
180 185 190

Thr Pro Met Lys Pro Gly Ser Ala Thr Phe Pro Phe Phe Gly Val Ala
195 200 205

Pro Ala Ile Leu Asn Glu Ser Gly Glu Glu Leu Glu Gly Glu Ala Glu
210 215 220

Gly Tyr Leu Val Phe Lys Gln Pro Trp Pro Gly Ile Met Arg Thr Val
225 230 235 240

Tyr Gly Asn His Glu Arg Phe Glu Thr Thr Tyr Phe Lys Lys Phe Pro
245 250 255

Gly Tyr Tyr Val Thr Gly Asp Gly Cys Gln Arg Asp Gln Asp Gly Tyr
260 265 270

Tyr Trp Ile Thr Gly Arg Ile Asp Asp Met Leu Asn Val Ser Gly His
275 280 285

Leu Leu Ser Thr Ala Glu Val Glu Ser Ala Leu Val Glu His Glu Ala
290 295 300

Val Ala Glu Ala Ala Val Val Gly His Pro His Pro Val Lys Gly Glu
305 310 315 320

Cys Leu Tyr Cys Phe Val Thr Leu Cys Asp Gly His Thr Phe Ser Pro
325 330 335

Lys Leu Thr Glu Glu Leu Lys Lys Gln Ile Arg Glu Lys Ile Gly Pro
340 345 350

Ile Ala Thr Pro Asp Tyr Ile Gln Asn Ala Pro Gly Leu Pro Lys Thr
355 360 365

Arg Ser Gly Lys Ile Met Arg Arg Val Leu Arg Lys Ile Ala Gln Asn
370 375 380

Asp His Asp Leu Gly Asp Met Ser Thr Val Ala Asp Pro Ser Val Ile
385 390 395 400

Ser His Leu Phe Ser His Arg Cys Leu Thr Ile Gln
405 410

<210> 955

<211> 150

<212> PRT

<213> Homo sapiens

<400> 955

Gly Leu Leu Arg Ala Trp Gln Leu Arg Ile Asn Ala Gly Leu Arg Leu
 1 5 10 15

Ala Ala Arg Phe Leu Pro Glu Pro Leu Leu Ser Leu Val Asn His Thr
 20 25 30

Gly Gln Arg Ser Asp Met Gln Lys Val Thr Leu Gly Leu Leu Val Phe
 35 40 45

Leu Ala Gly Phe Pro Val Leu Asp Ala Asn Asp Leu Glu Asp Lys Asn
 50 55 60

Ser Pro Phe Tyr Tyr Asp Trp His Ser Leu Gln Val Gly Gly Leu Ile
 65 70 75 80

Cys Ala Gly Val Leu Cys Ala Met Gly Ile Ile Ile Val Met Ser Glu
 85 90 95

Trp Arg Ser Ser Gly Glu Gln Ala Gly Arg Gly Trp Gly Ser Pro Pro
 100 105 110

Leu Thr Thr Gln Leu Ser Pro Thr Gly Ala Lys Cys Lys Cys Lys Phe
 115 120 125

Gly Gln Lys Ser Gly His His Pro Gly Glu Thr Pro Pro Leu Ile Thr
 130 135 140

Pro Gly Ser Ala Gln Ser
 145 150

<210> 956

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> xaa equals any of the naturally occurring L-amino acids

<400> 956

Val Asp Pro Arg Val Xaa Pro Arg Ser Gly Gly Glu Lys Pro Gly Gly
1 5 10 15
Leu Gly Ala Pro Ala Gly Ile Gly Ser Arg Leu Gly Cys Glu Arg Phe
20 25 30
Ser Arg Ser Arg Glu Ile Leu Gln Ala Ile Thr Met Ser Thr Asp Thr
35 40 45
Gly Val Ser Leu Pro Ser Tyr Glu Glu Asp Gln Gly Ser Lys Leu Ile
50 55 60
Arg Lys Ala Lys Glu Ala Pro Phe Val Pro Val Gly Ile Ala Gly Phe
65 70 75 80
Ala Ala Ile Val Ala Tyr Gly Leu Tyr Lys Leu Lys Ser Arg Gly Asn
85 90 95
Thr Lys Met Ser Ile His Leu Ile His Met Arg Val Ala Ala Gln Gly
100 105 110
Phe Val Val Gly Ala Met Thr Val Gly Met Gly Tyr Ser Met Tyr Arg
115 120 125
Glu Phe Trp Ala Lys Pro Lys Pro
130 135

<210> 957

<211> 461

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (241)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 957

Ile Glu Thr Ser Asn Lys Asn Asp Met Thr Ile Asp Ile Leu His Ala
 1 5 10 15

Asp Gly Glu Arg Pro Asn Val Leu Glu Asn Leu Asp Asn Ser Lys Glu
 20 25 30

Lys Thr Val Gly Ser Glu Ala Ala Lys Thr Glu Asp Thr Val Leu Cys
 35 40 45

Ser Ser Asp Thr Asp Glu Glu Cys Leu Ile Ile Xaa Thr Glu Cys Lys
 50 55 60

Asn Asn Ser Asp Gly Lys Thr Ala Val Val Gly Ser Asn Leu Ser Ser
 65 70 75 80

Arg Pro Ala Ser Pro Asn Ser Ser Ser Gly Gln Ala Ser Val Gly Asn
 85 90 95

Gln Thr Asn Thr Ala Cys Xaa Pro Glu Glu Ser Cys Val Leu Lys Lys
 100 105 110

Pro Ile Lys Arg Val Tyr Lys Lys Phe Asp Pro Val Gly Glu Ile Leu
 115 120 125

Lys Met Gln Asp Glu Leu Xaa Lys Pro Ile Ser Arg Lys Val Pro Glu
 130 135 140

Leu Pro Leu Met Asn Leu Glu Asn Ser Lys Gln Pro Ser Val Ser Glu
 145 150 155 160

Gln Leu Ser Gly Pro Ser Asp Ser Ser Ser Trp Pro Lys Ser Gly Trp
 165 170 175

Pro Ser Ala Phe Gln Lys Pro Lys Gly Arg Leu Pro Tyr Glu Leu Gln
 180 185 190

Asp Tyr Val Glu Asp Thr Ser Glu Tyr Leu Ala Pro Gln Glu Gly Asn
 195 200 205

Phe Val Tyr Lys Leu Phe Ser Leu Gln Asp Leu Leu Leu Val Arg
 210 215 220

Cys Ser Val Gln Arg Ile Glu Thr Arg Pro Arg Ser Lys Lys Arg Lys
 225 230 235 240

Xaa Ile Arg Arg Gln Phe Pro Val Tyr Val Leu Pro Lys Val Glu Tyr
 245 250 255

Gln Ala Cys Tyr Gly Val Glu Ala Leu Thr Glu Ser Glu Leu Cys Arg
260 265 270

Leu Trp Thr Glu Ser Leu Leu His Ser Asn Ser Ser Phe Tyr Val Gly
275 280 285

His Ile Asp Ala Phe Thr Ser Lys Leu Phe Leu Leu Glu Glu Ile Thr
290 295 300

Ser Glu Glu Leu Lys Glu Lys Leu Ser Ala Leu Lys Ile Ser Asn Leu
305 310 315 320

Phe Asn Ile Leu Gln His Ile Leu Lys Lys Leu Ser Ser Leu Gln Glu
325 330 335

Gly Ser Tyr Leu Leu Ser His Ala Ala Glu Asp Ser Ser Leu Leu Ile
340 345 350

Tyr Lys Ala Ser Asp Gly Lys Val Thr Arg Thr Ala Tyr Asn Leu Tyr
355 360 365

Lys Thr His Cys Gly Leu Pro Gly Val Pro Ser Ser Leu Ser Val Pro
370 375 380

Trp Val Pro Leu Asp Pro Ser Leu Leu Leu Pro Tyr His Ile His His
385 390 395 400

Gly Arg Ile Pro Cys Thr Phe Pro Pro Lys Ser Leu Asp Thr Thr Thr
405 410 415

Gln Gln Lys Ile Gly Gly Thr Arg Met Pro Thr Arg Ser His Arg Asn
420 425 430

Pro Val Ser Met Glu Thr Lys Ser Ser Cys Leu Pro Ala Gln Gln Val
435 440 445

Glu Thr Glu Gly Val Ala Pro His Lys Arg Lys Ile Thr
450 455 460

<210> 958

<211> 248

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 958

Asp Trp Gly Ala Thr Gln Xaa Arg Arg Ser Arg Asp Arg Arg Trp Gly
 1 5 10 15

Pro Arg Asn Leu Ser Leu Asp Ile Gly Thr Glu Val Phe Ala Pro Gly
 20 25 30

Pro Gly Ser Gly Ile Gln Lys Gln Arg Glu Pro Arg Lys Gly Arg Leu
 35 40 45

Ile Val Cys Gly His Gly Thr Leu Glu Arg Asp Gly Val Phe Cys Leu
 50 55 60

Leu Ser Asp Asp His Gly Ala Ser Trp Arg Tyr Gly Ser Gly Val Ser
 65 70 75 80

Gly Ile Pro Tyr Gly Gln Pro Lys Gln Glu Asn Asp Phe Asn Pro Asp
 85 90 95

Glu Cys Gln Pro Tyr Glu Leu Pro Asp Gly Ser Val Val Ile Asn Ala
 100 105 110

Arg Asn Gln Asn Asn Tyr His Cys His Cys Arg Ile Val Leu Arg Ser
 115 120 125

Tyr Asp Ala Cys Asp Thr Leu Arg Pro Arg Asp Val Thr Phe Asp Pro
 130 135 140

Glu Leu Val Asp Pro Val Val Ala Ala Gly Ala Val Val Thr Ser Ser
 145 150 155 160

Gly Ile Val Phe Phe Ser Asn Pro Ala His Pro Glu Phe Arg Val Asn
 165 170 175

Leu Thr Leu Arg Trp Ser Phe Ser Asn Gly Thr Ser Trp Arg Lys Glu
 180 185 190

Thr Val Gln Leu Trp Pro Gly Pro Ser Gly Tyr Ser Ser Leu Ala Thr
 195 200 205

Leu Glu Gly Ser Met Asp Gly Glu Glu Gln Ala Pro Gln Leu Tyr Val
 210 215 220

Leu Tyr Glu Lys Gly Arg Asn His Tyr Thr Glu Ser Ile Ser Val Ala
 225 230 235 240

Lys Ile Ser Val Tyr Gly Thr Leu
 245

<210> 959

<211> 105

<212> PRT

<213> Homo sapiens

<400> 959

Ile Arg His Glu Gly Ala Gly Pro Ser Gln Leu Arg Leu His Tyr Pro
1 5 10 15
Arg Ile Ser Met Ala Val Arg Gln Trp Val Ile Ala Leu Ala Leu Ala
20 25 30
Ala Leu Leu Val Val Asp Arg Glu Val Pro Val Ala Ala Gly Lys Leu
35 40 45
Pro Phe Ser Arg Met Pro Ile Cys Glu His Met Val Glu Ser Pro Thr
50 55 60
Cys Ser Gln Met Ser Asn Leu Val Cys Gly Thr Asp Gly Leu Thr Tyr
65 70 75 80
Thr Asn Glu Cys Gln Leu Cys Leu Ala Arg Ile Lys Thr Lys Gln Asp
85 90 95
Ile Gln Ile Met Lys Asp Gly Lys Cys
100 105

<210> 960

<211> 237

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (166)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (177)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (187)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (223)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 960

Leu Gly Trp Ser Leu Arg Gly Gly His Trp His Gly Thr His Pro Glu
 1 5 10 15

Ala Ser Pro Gly Cys Pro Gly Gly Ala Ala Ser Ser Pro Ala Gly Trp
 20 25 30

Trp Thr Arg Ser Val Arg Ser Trp Gly Ser Ser Phe Thr Ser Glu Asp
 35 40 45

Cys Ser Thr Thr Met Leu Gly Ile Trp Thr Leu Leu Pro Leu Val Leu
 50 55 60

Thr Ser Val Xaa Arg Leu Ser Ser Lys Ser Val Asn Ala Gln Val Thr
 65 70 75 80

Asp Ile Asn Ser Lys Gly Leu Glu Leu Arg Lys Thr Val Thr Thr Val
 85 90 95

Glu Thr Gln Asn Leu Glu Gly Leu His His Asp Gly Gln Phe Cys His
 100 105 110

Lys Pro Cys Pro Pro Gly Glu Arg Lys Ala Arg Asp Cys Thr Val Asn
 115 120 125

Gly Asp Glu Pro Asp Cys Val Pro Cys Gln Glu Gly Lys Glu Tyr Thr
 130 135 140

Asp Lys Ala His Phe Ser Ser Lys Cys Arg Arg Cys Arg Leu Cys Asp
 145 150 155 160

Glu Gly His Gly Leu Xaa Val Glu Ile Asn Cys Thr Arg Thr Gln Asn
 165 170 175

Xaa Lys Cys Arg Cys Lys Pro Asn Phe Phe Xaa Asn Ser Thr Val Cys
 180 185 190

Glu His Cys Asp Pro Cys Thr Lys Cys Glu His Gly Ile Ile Lys Glu
 195 200 205

Cys Thr Leu Thr Ser Asn Thr Lys Cys Lys Glu Glu Gly Ser Xaa Ser
 210 215 220

Asn Leu Gly Trp Leu Trp Leu Leu Leu Leu Pro Ile Pro
 225 230 235

<210> 961
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 961
 Gln Pro Met Ser Ser Thr Trp Val Thr Asn His Ser Glu Ile Leu Asn
 1 5 10 15
 Thr Tyr Pro Leu Gly Ala Gly Gly Gly Asn Asp Val Gln Tyr Leu Lys
 20 25 30
 Gln Asn Leu Thr Trp Thr Glu Arg Leu Tyr Phe Pro Leu Leu His Glu
 35 40 45
 Ser Leu Ile Ile Leu Gly Gly Leu Leu Cys Ile Pro Pro Phe Leu Leu
 50 55 60
 Ser Pro Pro Leu Pro Phe Val Phe Ser Lys Glu Ser Glu Leu Arg Phe
 65 70 75 80
 Pro Cys Ser Pro Ala Thr Leu Ile Ser Lys Thr Cys Leu Cys Val Arg
 85 90 95
 Phe Phe Thr Gly Asn Met Thr Phe Cys Phe Cys Ile Gly Phe Thr Val
 100 105 110
 Ile Gln Phe Ser Ser Leu Ile Ser Ser Lys Thr Lys Ser Glu Cys Thr
 115 120 125
 Arg Phe Phe Arg
 130

<210> 962
 <211> 613
 <212> PRT
 <213> Homo sapiens

<400> 962
 Ala Val Ala Asn Met Ser Gly Trp Glu Ser Tyr Tyr Lys Thr Glu Gly
 1 5 10 15
 Asp Glu Glu Ala Glu Glu Glu Gln Glu Glu Asn Leu Glu Ala Ser Gly

20	25	30
Asp Tyr Lys Tyr Ser Gly Arg Asp Ser Leu Ile Phe Leu Val Asp Ala		
35	40	45
Ser Lys Ala Met Phe Glu Ser Gln Ser Glu Asp Glu Leu Thr Pro Phe		
50	55	60
Asp Met Ser Ile Gln Cys Ile Gln Ser Val Tyr Ile Ser Lys Ile Ile		
65	70	75
Ser Ser Asp Arg Asp Leu Leu Ala Val Val Phe Tyr Gly Thr Glu Lys		
85	90	95
Asp Lys Asn Ser Val Asn Phe Lys Asn Ile Tyr Val Leu Gln Glu Leu		
100	105	110
Asp Asn Pro Gly Ala Lys Arg Ile Leu Glu Leu Asp Gln Phe Lys Gly		
115	120	125
Gln Gln Gly Gln Lys Arg Phe Gln Asp Met Met Gly His Gly Ser Asp		
130	135	140
Tyr Ser Leu Ser Glu Val Leu Trp Val Cys Ala Asn Leu Phe Ser Asp		
145	150	155
Val Gln Phe Lys Met Ser His Lys Arg Ile Met Leu Phe Thr Asn Glu		
165	170	175
Asp Asn Pro His Gly Asn Asp Ser Ala Lys Ala Ser Arg Ala Arg Thr		
180	185	190
Lys Ala Gly Asp Leu Arg Asp Thr Gly Ile Phe Leu Asp Leu Met His		
195	200	205
Leu Lys Lys Pro Gly Gly Phe Asp Ile Ser Leu Phe Tyr Arg Asp Ile		
210	215	220
Ile Ser Ile Ala Glu Asp Glu Asp Leu Arg Val His Phe Glu Glu Ser		
225	230	235
Ser Lys Leu Glu Asp Leu Leu Arg Lys Val Arg Ala Lys Glu Thr Arg		
245	250	255
Lys Arg Ala Leu Ser Arg Leu Lys Leu Lys Leu Asn Lys Asp Ile Val		
260	265	270
Ile Ser Val Gly Ile Tyr Asn Leu Val Gln Lys Ala Leu Lys Pro Pro		
275	280	285
Pro Ile Lys Leu Tyr Arg Glu Thr Asn Glu Pro Val Lys Thr Lys Thr		

290	295	300
Arg Thr Phe Asn Thr Ser Thr Gly Gly Leu Leu Leu Pro Ser Asp Thr		
305	310	315 320
Lys Arg Ser Gln Ile Tyr Gly Ser Arg Gln Ile Ile Leu Glu Lys Glu		
	325	330 335
Glu Thr Glu Glu Leu Lys Arg Phe Asp Asp Pro Gly Leu Met Leu Met		
	340	345 350
Gly Phe Lys Pro Leu Val Leu Leu Lys Lys His His Tyr Leu Arg Pro		
	355	360 365
Ser Leu Phe Val Tyr Pro Glu Glu Ser Leu Val Ile Gly Ser Ser Thr		
	370	375 380
Leu Phe Ser Ala Leu Leu Ile Lys Cys Leu Glu Lys Glu Val Ala Ala		
385	390	395 400
Leu Cys Arg Tyr Thr Pro Arg Arg Asn Ile Pro Pro Tyr Phe Val Ala		
	405	410 415
Leu Val Pro Gln Glu Glu Glu Leu Asp Asp Gln Lys Ile Gln Val Thr		
	420	425 430
Pro Pro Gly Phe Gln Leu Val Phe Leu Pro Phe Ala Asp Asp Lys Arg		
	435	440 445
Lys Met Pro Phe Thr Glu Lys Ile Met Ala Thr Pro Glu Gln Val Gly		
	450	455 460
Lys Met Lys Ala Ile Val Glu Lys Leu Arg Phe Thr Tyr Arg Ser Asp		
465	470	475 480
Ser Phe Glu Asn Pro Val Leu Gln Gln His Phe Arg Asn Leu Glu Ala		
	485	490 495
Leu Ala Leu Asp Leu Met Glu Pro Glu Gln Ala Val Asp Leu Thr Leu		
	500	505 510
Pro Lys Val Glu Ala Met Asn Lys Arg Leu Gly Ser Leu Val Asp Glu		
	515	520 525
Phe Lys Glu Leu Val Tyr Pro Pro Asp Tyr Asn Pro Glu Gly Lys Val		
	530	535 540
Thr Lys Arg Lys His Asp Asn Glu Gly Ser Gly Ser Lys Arg Pro Lys		
545	550	555 560
Val Glu Tyr Ser Glu Glu Glu Leu Lys Thr His Ile Ser Lys Gly Thr		

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<400> 963
Arg Val Gln Glu Glu Asn Ala Arg Leu Lys Lys Lys Lys Glu Gln Leu
  1              5              10              15

Gln Gln Glu Ile Glu Asp Trp Ser Lys Leu His Ala Glu Leu Ser Glu
      20              25              30

Gln Ile Lys Ser Phe Glu Lys Ser Gln Lys Asp Leu Glu Val Ala Leu
      35              40              45

Thr His Lys Asp Asp Asn Ile Asn Ala Leu Thr Asn Cys Ile Thr Gln
      50              55              60

Leu Asn Leu Leu Glu Cys Glu Ser Glu Ser Glu Gly Gln Asn Lys Gly
  65              70              75              80

Gly Asn Asp Ser Asp Glu Leu Ala Asn Gly Glu Val Gly Gly Asp Arg
      85              90              95

Asn Glu Lys Met Lys Asn Gln Ile Lys Gln Met Met Asp Val Ser Arg
      100             105             110

Thr Gln Thr Ala Ile Ser Val Val Glu Glu Asp Leu Lys Leu Leu Gln
      115             120             125

Leu Lys Leu Arg Ala Ser Val Ser Thr Lys Cys Asn Leu Glu Asp Gln
      130             135             140

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Val Lys Lys Leu Glu Asp Asp Arg Asn Ser Leu Gln Ala Ala Lys Ala
145 150 155 160

Gly Leu Glu Asp Glu Cys Lys Thr Leu Arg Gln Lys Val Glu Ile Leu
165 170 175

Asn Glu Leu Tyr Gln Gln Lys Glu Met Ala Leu Gln Lys Lys Leu Ser
180 185 190

Gln Glu Glu Tyr Glu Arg Gln Glu Arg Glu His Arg Leu Ser Ala Ala
195 200 205

Asp Glu Lys Ala Val Ser Ala Ala Glu Glu Val Lys Thr Tyr Lys Arg
210 215 220

Arg Ile Glu Glu Met Glu Asp Glu Leu Gln Lys Thr Glu Arg Ser Phe
225 230 235 240

Lys Asn Gln Ile Ala Thr His Glu Lys Lys Ala His Glu Asn Trp Leu
245 250 255

Lys Ala Arg Ala Ala Glu Arg Ala Ile Ala Glu Glu Lys Arg Glu Ala
260 265 270

Ala Asn Leu Arg His Lys Leu Leu Xaa Leu Thr Gln Lys Met Ala Met
275 280 285

Leu Gln Glu Glu Pro Val Ile Val Lys Pro Met Pro Gly Lys Pro Asn
290 295 300

Thr Gln Asn Pro Pro Arg Arg Gly Pro Leu Ser Gln Asn Val Phe Trp
305 310 315 320

Pro Ile Pro Cys Glu Trp Trp Arg Met Leu Pro Ser Ile Asp Ser Gly
325 330 335

Ala Thr Arg Glu Thr Ser Leu Cys Tyr Ser Gln Ser Lys Arg Tyr Ala
340 345 350

<210> 964

<211> 553

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (375)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (438)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (549)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 964

Thr Leu Glu Ala Glu Lys Glu Arg Arg Lys Ser Gly Leu Ser Ser Arg
1 5 10 15

Val Gln Phe Arg Asn Gln Gly Ser Glu Pro Lys Tyr Thr Gln Glu Leu
20 25 30

Thr Leu Lys Arg Gln Lys Gln Lys Val Cys Met Glu Glu Thr Leu Trp
35 40 45

Leu Gln Asp Asn Ile Arg Asp Lys Leu Arg Pro Ile Pro Ile Thr Ala
50 55 60

Ser Val Glu Ile Gln Glu Pro Ser Ser Arg Arg Arg Val Asn Ser Leu
65 70 75 80

Pro Glu Val Leu Pro Ile Leu Asn Ser Asp Glu Pro Lys Thr Ala His
85 90 95

Ile Asp Val His Phe Leu Lys Glu Gly Cys Gly Asp Asp Asn Val Cys
100 105 110

Asn Ser Asn Leu Lys Leu Glu Tyr Lys Phe Cys Thr Arg Glu Gly Asn
115 120 125

Gln Asp Lys Phe Xaa Tyr Leu Pro Ile Gln Lys Gly Val Pro Glu Leu
130 135 140

Val Leu Lys Asp Gln Lys Asp Ile Ala Leu Glu Ile Thr Val Thr Asn
145 150 155 160

Ser Pro Ser Asn Pro Arg Asn Pro Thr Lys Asp Gly Asp Asp Ala His
165 170 175

Glu Ala Lys Leu Ile Ala Thr Phe Pro Asp Thr Leu Thr Tyr Ser Ala
180 185 190

Tyr Arg Glu Leu Arg Ala Phe Pro Glu Lys Gln Leu Ser Cys Val Ala
195 200 205

Asn Gln Asn Gly Ser Gln Ala Asp Cys Glu Leu Gly Asn Pro Phe Lys
210 215 220

Arg Asn Ser Asn Val Thr Phe Tyr Leu Val Leu Ser Thr Thr Glu Val
225 230 235 240

Thr Phe Asp Thr Pro Asp Leu Asp Ile Asn Leu Lys Leu Glu Thr Thr
245 250 255

Ser Asn Gln Asp Asn Leu Ala Pro Ile Thr Ala Lys Ala Lys Val Val
260 265 270

Ile Glu Leu Leu Leu Ser Val Ser Gly Val Ala Lys Pro Ser Gln Val
275 280 285

Tyr Phe Gly Gly Thr Val Val Gly Glu Gln Ala Met Lys Ser Glu Asp
290 295 300

Glu Val Gly Ser Leu Ile Glu Tyr Glu Phe Arg Val Ile Asn Leu Gly
305 310 315 320

Lys Pro Leu Thr Asn Leu Gly Thr Ala Thr Leu Asn Ile Gln Trp Pro
325 330 335

Lys Glu Ile Ser Asn Gly Lys Trp Leu Leu Tyr Leu Val Lys Val Glu
340 345 350

Ser Lys Gly Leu Glu Lys Val Thr Cys Glu Pro Gln Lys Glu Ile Asn
355 360 365

Ser Leu Asn Leu Thr Glu Xaa His Asn Ser Arg Lys Lys Arg Glu Ile
370 375 380

Thr Glu Lys Gln Ile Asp Asp Asn Arg Lys Phe Ser Leu Phe Ala Glu
385 390 395 400

Arg Lys Tyr Gln Thr Leu Asn Cys Ser Val Asn Val Asn Cys Val Asn
405 410 415

Ile Arg Cys Pro Leu Arg Gly Leu Asp Ser Lys Ala Ser Leu Ile Leu
420 425 430

Arg Ser Arg Leu Trp Xaa Ser Thr Phe Leu Glu Glu Tyr Ser Lys Leu
435 440 445

Asn Tyr Leu Asp Ile Leu Met Arg Ala Phe Ile Asp Val Thr Ala Ala
 450 455 460
 Ala Glu Asn Ile Arg Leu Pro Asn Ala Gly Thr Gln Val Arg Val Thr
 465 470 475 480
 Val Phe Pro Ser Lys Thr Val Ala Gln Tyr Ser Gly Val Pro Trp Trp
 485 490 495
 Ile Ile Leu Val Ala Ile Leu Ala Gly Ile Leu Met Leu Ala Leu Leu
 500 505 510
 Val Phe Ile Leu Trp Lys Cys Gly Phe Phe Lys Arg Asn Lys Lys Asp
 515 520 525
 His Tyr Asp Ala Thr Tyr His Lys Ala Glu Ile His Ala Gln Pro Ser
 530 535 540
 Asp Lys Glu Arg Xaa Thr Ser Asp Ala
 545 550

<210> 965

<211> 220

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (217)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 965

Gln Tyr Gly Arg Ile Pro Gly Ser Thr His Ala Ser Ala Glu Pro Leu
 1 5 10 15
 Glu Asn Pro Phe Lys Lys Met Lys Asn Asn Ile Val Asp Ala Ala Asn
 20 25 30
 Asn His Ser Ala Pro Glu Val Leu Tyr Gly Ser Leu Leu Asn Gln Glu
 35 40 45
 Glu Leu Lys Phe Ser Arg Asn Asp Leu Glu Phe Lys Tyr Pro Ala Gly
 50 55 60

His Gly Ser Ala Ser Xaa Ser Glu His Arg Ser Trp Ala Arg Glu Ser
 65 70 75 80
 Lys Ser Phe Asn Val Leu Lys Gln Leu Leu Leu Ser Glu Asn Cys Val
 85 90 95
 Arg Asp Leu Ser Pro His Arg Ser Asn Ser Val Ala Asp Ser Lys Lys
 100 105 110
 Lys Gly His Lys Asn Asn Val Thr Asn Ser Lys Pro Glu Phe Ser Ile
 115 120 125
 Ser Ser Leu Asn Gly Leu Met Tyr Ser Ser Thr Gln Pro Ser Ser Cys
 130 135 140
 Met Asp Asn Arg Thr Phe Ser Tyr Pro Gly Val Val Lys Thr Pro Val
 145 150 155 160
 Ser Pro Thr Phe Pro Glu His Leu Gly Cys Ala Gly Ser Arg Pro Glu
 165 170 175
 Ser Gly Leu Leu Asn Gly Cys Ser Met Pro Ser Glu Lys Gly Pro Ile
 180 185 190
 Lys Trp Val Ile Thr Asp Ala Glu Lys Met Ser Met Lys Ser Leu Ser
 195 200 205
 Arg Leu Thr Lys Pro Pro His Thr Xaa Leu His Ala
 210 215 220

<210> 966

<211> 385

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (221)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 966

Trp Ile Pro Arg Ala Ala Gly Phe Gly Thr Arg Pro Leu Pro Gly Ala
 1 5 10 15

Ala Gly Gly Ala Ala Gly Cys Thr Gln Arg Arg Ser Arg Glu Leu Ala
 20 25 30

Ala Ala Ala Met Ser His Gln Thr Gly Ile Gln Ala Ser Glu Asp Val

35	40	45
Lys Glu Ile Phe Ala Arg Ala Arg Asn Gly Lys Tyr Arg Leu Leu Lys		
50	55	60
Ile Ser Ile Glu Asn Glu Gln Leu Val Ile Gly Ser Tyr Ser Gln Pro		
65	70	75 80
Ser Asp Ser Trp Asp Lys Asp Tyr Asp Ser Phe Val Leu Pro Leu Leu		
85	90	95
Glu Asp Lys Gln Pro Cys Tyr Ile Leu Phe Arg Leu Asp Ser Gln Asn		
100	105	110
Ala Gln Gly Tyr Glu Trp Ile Phe Ile Ala Trp Ser Pro Asp His Ser		
115	120	125
His Val Arg Gln Lys Met Leu Tyr Ala Ala Thr Arg Ala Thr Leu Lys		
130	135	140
Lys Glu Phe Gly Gly Gly His Ile Lys Asp Glu Val Phe Gly Thr Val		
145	150	155 160
Lys Glu Asp Val Ser Leu His Gly Tyr Lys Lys Tyr Leu Leu Ser Gln		
165	170	175
Ser Ser Pro Ala Pro Leu Thr Ala Ala Glu Glu Glu Leu Arg Gln Ile		
180	185	190
Lys Ile Asn Glu Val Gln Thr Asp Val Gly Val Asp Thr Lys His Gln		
195	200	205
Thr Leu Gln Gly Val Ala Phe Pro Ile Ser Arg Glu Xaa Phe Gln Ala		
210	215	220
Leu Glu Lys Leu Asn Asn Arg Gln Leu Asn Tyr Val Gln Leu Glu Ile		
225	230	235 240
Asp Ile Lys Asn Glu Ile Ile Ile Leu Ala Asn Thr Thr Asn Thr Glu		
245	250	255
Leu Lys Asp Leu Pro Lys Arg Ile Pro Lys Asp Ser Ala Arg Tyr His		
260	265	270
Phe Phe Leu Tyr Lys His Ser His Glu Gly Asp Tyr Leu Glu Ser Ile		
275	280	285
Val Phe Ile Tyr Ser Met Pro Gly Tyr Thr Cys Ser Ile Arg Glu Arg		
290	295	300
Met Leu Tyr Ser Ser Cys Lys Ser Arg Leu Leu Glu Ile Val Glu Arg		

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<400> 967
Arg Lys Lys Asp Lys Ser Ser Arg Pro Pro Leu Thr Pro Ser Leu Pro
 1              5              10              15
Leu Ser Leu Pro Pro Gly Glu Glu Ala Arg Gly Gly Cys Ser Ala Val
      20              25              30
Gly Ala Ala Pro Pro Ser Pro Gly Arg Pro Gly Pro Pro Pro His Ala
      35              40              45
Ala Pro Met His Pro Phe Tyr Thr Arg Ala Ala Thr Met Ile Gly Glu
      50              55              60
Ile Ala Ala Ala Val Ser Phe Ile Ser Lys Phe Leu Arg Thr Lys Gly
 65              70              75              80
Leu Thr Ser Glu Arg Gln Leu Gln Thr Phe Ser Gln Ser Leu Gln Glu
      85              90              95
Leu Leu Ala Glu His Tyr Lys His His Trp Phe Pro Glu Lys Pro Cys
      100              105              110
Lys Gly Ser Gly Tyr Arg Cys Ile Arg Ile Asn His Lys Met Asp Pro
      115              120              125
Leu Ile Gly Gln Ala Ala Gln Arg Ile Gly Leu Ser Ser Gln Glu Leu
 130              135              140

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Phe Arg Leu Leu Pro Ser Glu Leu Thr Leu Trp Val Asp Pro Tyr Glu
 145 150 155 160
 Val Ser Tyr Arg Ile Gly Glu Asp Gly Ser Ile Cys Val Leu Tyr Glu
 165 170 175
 Ala Ser Pro Ala Gly Gly Ser Thr Gln Asn Ser Thr Asn Val Gln Met
 180 185 190
 Val Asp Ser Arg Ile Ser Cys Lys Glu Glu Leu Leu Leu Gly Arg Thr
 195 200 205
 Ser Pro Ser Lys Asn Tyr Asn Met Met Thr Val Ser Gly
 210 215 220

<210> 968

<211> 212

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 968

Xaa Leu Thr Lys Gly Thr Lys Ala Gly Ser Ser Thr Ala Val Xaa Thr
 1 5 10 15
 Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Glu Phe
 20 25 30
 Asp Leu Cys Cys Ser Pro Cys Arg Arg Arg Leu Leu Gly Arg Glu Glu
 35 40 45
 Ala Gly Glu Glu Pro Thr Ser Pro Val Thr Gln Tyr Leu Gln Pro Arg
 50 55 60
 Ser Pro Glu Glu Cys Lys Met Phe Ala Cys Ala Lys Leu Ala Cys Thr
 65 70 75 80
 Pro Ser Leu Ile Arg Ala Gly Ser Arg Val Ala Tyr Arg Pro Ile Ser
 85 90 95

Ala Ser Val Leu Ser Arg Pro Glu Ala Ser Arg Thr Gly Glu Gly Ser
100 105 110

Thr Val Phe Asn Gly Ala Gln Asn Gly Val Ser Gln Leu Ile Gln Arg
115 120 125

Glu Phe Gln Thr Ser Ala Ile Ser Arg Asp Ile Asp Thr Ala Ala Lys
130 135 140

Phe Ile Gly Ala Gly Ala Ala Thr Val Gly Val Ala Gly Ser Gly Ala
145 150 155 160

Gly Ile Gly Thr Val Phe Gly Ser Leu Ile Ile Gly Tyr Ala Arg Asn
165 170 175

Pro Ser Leu Lys Gln Gln Leu Phe Ser Tyr Ala Ile Leu Gly Phe Ala
180 185 190

Leu Ser Glu Ala Met Gly Leu Phe Cys Leu Met Val Ala Phe Leu Ile
195 200 205

Leu Phe Ala Met
210

<210> 969

<211> 224

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (206)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (224)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 969

Tyr Leu Asp Ala Glu Lys Met Gly Gln Lys Ala Ser Gln Gln Leu Ala
 1 5 10 15
 Leu Lys Asp Ser Lys Glu Val Pro Val Val Cys Glu Val Val Ser Glu
 20 25 30
 Ala Ile Val His Ala Ala Gln Lys Leu Lys Glu Tyr Leu Gly Phe Glu
 35 40 45
 Tyr Pro Pro Ser Lys Leu Cys Pro Ala Ala Asn Thr Leu Asn Glu Ile
 50 55 60
 Phe Leu Ile His Phe Ile Thr Phe Cys Gln Glu Lys Gly Val Asp Glu
 65 70 75 80
 Trp Leu Thr Thr Thr Lys Met Thr Lys His Gln Ala Phe Leu Phe Gly
 85 90 95
 Ala Asp Trp Ile Trp Thr Phe Trp Gly Ser Asp Lys Gln Ile Lys Leu
 100 105 110
 Gln Leu Ala Val Gln Thr Leu Gln Met Ser Ser Pro Pro Pro Val Glu
 115 120 125
 Ser Lys Pro Cys Asp Leu Ser Asn Pro Glu Ser Xaa Val Xaa Glu Ser
 130 135 140
 Ser Trp Lys Lys Ser Arg Phe Asp Lys Leu Glu Glu Phe Cys Asn Leu
 145 150 155 160
 Ile Gly Glu Asp Cys Leu Gly Leu Phe Ile Ile Phe Gly Met Pro Gly
 165 170 175
 Lys Pro Lys Asp Ile Arg Gly Val Val Leu Asp Ser Val Lys Ser Gln
 180 185 190
 Met Val Arg Ser His Leu Pro Gly Gly Lys Ala Val Ala Xaa Phe Val
 195 200 205
 Leu Glu Thr Glu Asp Cys Val Phe Ile Lys Glu Leu Leu Lys Ile Xaa
 210 215 220

<210> 970

<211> 180

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (166)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 970

Leu Gly Leu Ser Arg Val Asp Asp Ala Val Ala Ala Asn Thr Arg Gln
 1 5 10 15

Cys Ala Gln Arg Arg Asp Arg Arg Gly Gly Glu Gly Arg Gly Gln Gly
 20 25 30

Ile Glu Pro Ser Pro Ala Ser Ala Thr Pro Gly Thr Arg Gly Val Cys
 35 40 45

Arg Met Pro Val Thr Arg Leu His Glu Gly Arg Phe His Leu Arg His
 50 55 60

Arg His Arg His Gly Leu Trp Leu Ala Asp Val His Ser Glu Glu Val
 65 70 75 80

Ser Ile Pro Phe Ala Val Glu Pro Pro Ser Gly Arg Gly Cys Arg Leu
 85 90 95

Cys Gly Gln Leu Arg Gly Asp Glu Ser Gly Val Gly Glu Met Gln Gln
 100 105 110

Pro Leu Ala Leu Pro Gly Asp Arg Ala Ala Pro Gln Arg Gln Glu His
 115 120 125

Arg Ser Glu Lys Leu Gly Glu Leu Gln Gln Gly His Arg Gly Leu Gly
 130 135 140

Ala Gly Gly Val Trp Asn Thr Ala Phe Met Pro Pro Asp Pro Arg Pro
 145 150 155 160

Thr Leu Pro Thr Pro Xaa Gly Thr Pro Val Val Ser Ser Val Arg Met
 165 170 175

Cys Gly Gln Ala
 180

<210> 971

<211> 130

<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 971
Pro Arg Val Arg Pro Arg Val Leu Asp Leu Leu Cys Lys Asn Met Lys
1 5 10 15
His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp Val Leu
20 25 30
Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser
35 40 45

Gln Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser
50 55 60

Gly Ala Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu
65 70 75 80

Glu Trp Ile Gly Xaa Ile Tyr Tyr Ser Gly Xaa Thr Tyr Tyr Asn Pro
85 90 95

Ser Leu Lys Ser Leu Val Xaa Ile Ser Xaa Asp Thr Ser Lys Asn Xaa
100 105 110

Phe Ser Leu Xaa Leu Xaa Ser Val Thr Ala Ala Asp Thr Xaa Val Tyr
115 120 125

Tyr Cys
130

<210> 972

<211> 210

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 972

Ala Gly Ser Ser Trp Lys Cys Arg Gly Cys Ser Leu Pro Xaa Leu Pro
 1 5 10 15

Pro Pro Pro Ala Cys Ala Leu Leu Leu Pro Trp Pro Arg Thr Trp Val
 20 25 30

Phe Pro Ser Pro Ala Xaa Gly Trp Arg Trp Leu Thr Arg Ser Arg Tyr
 35 40 45

Pro Leu Thr Xaa Ser Arg Thr Ser Thr Arg Ser Ser Met Gly Met Ser
 50 55 60

Leu Val Xaa Gly Pro Leu Gln Gly Xaa Leu Pro Cys Arg Arg Asp Pro
 65 70 75 80

Arg Val Cys Pro Gly Thr Pro Ser Ser Gln Arg His Leu Pro Val Gly
 85 90 95

Glu Val Val Lys Gln Ala Asp Val Val Leu Leu Gly Tyr Xaa Val Pro
 100 105 110

Phe Ser Leu Ser Pro Asp Val Arg Arg Lys Asn Leu Glu Ile Tyr Glu
 115 120 125

Ala Val Thr Ser Pro Gln Gly Pro Ala Met Thr Trp Ser Met Phe Ala
 130 135 140

Val Gly Trp Met Glu Leu Lys Asp Ala Val Arg Ala Arg Gly Leu Leu
 145 150 155 160

Asp Arg Ser Phe Ala Asn Met Ala Glu Pro Phe Lys Val Trp Thr Glu
 165 170 175

Asn Ala Asp Gly Ser Gly Ala Val Asn Phe Leu Thr Gly Met Gly Gly
 180 185 190

Phe Cys Arg Arg Trp Ser Ser Gly Ala Arg Gly Ser Gly Ser Pro Glu
 195 200 205

Arg Val
 210

<210> 973

<211> 248

<212> PRT

<213> Homo sapiens

<400> 973

Ser Arg Val Arg Gly Cys Ser Arg Ser Arg Gln Pro Gln Ala Arg Gly
1 5 10 15

Gly Arg Trp Ala Arg Asp Pro Thr Leu Val Val Met Glu Ala Gly Gly
20 25 30

Phe Leu Asp Ser Leu Ile Tyr Gly Ala Cys Val Val Phe Thr Leu Gly
35 40 45

Met Phe Ser Ala Gly Leu Ser Asp Leu Arg His Met Arg Met Thr Arg
50 55 60

Ser Val Asp Asn Val Gln Phe Leu Pro Phe Leu Thr Thr Glu Val Asn
65 70 75 80

Asn Leu Gly Trp Leu Ser Tyr Gly Ala Leu Lys Gly Asp Gly Ile Leu
85 90 95

Ile Val Val Asn Thr Val Gly Ala Ala Leu Gln Thr Leu Tyr Ile Leu
100 105 110

Ala Tyr Leu His Tyr Cys Pro Arg Lys Arg Val Val Leu Leu Gln Thr
115 120 125

Ala Thr Leu Leu Gly Val Leu Leu Leu Gly Tyr Gly Tyr Phe Trp Leu
130 135 140

Leu Val Pro Asn Pro Glu Ala Arg Leu Gln Gln Leu Gly Leu Phe Cys
145 150 155 160

Ser Val Phe Thr Ile Ser Met Tyr Leu Ser Pro Leu Ala Asp Leu Ala
165 170 175

Lys Val Ile Gln Thr Lys Ser Thr Gln Cys Leu Ser Tyr Pro Leu Thr
180 185 190

Ile Ala Thr Leu Leu Thr Ser Ala Ser Trp Cys Leu Tyr Gly Phe Arg
195 200 205

Leu Arg Asp Pro Tyr Ile Met Val Ser Asn Phe Pro Gly Ile Val Thr
210 215 220

Ser Phe Ile Arg Phe Trp Leu Phe Trp Lys Tyr Pro Gln Glu Gln Asp
225 230 235 240

Arg Asn Tyr Trp Leu Leu Gln Thr
245

<210> 974

<211> 202

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 974

Ser	Xaa	Leu	Pro	Phe	Ile	Lys	Gly	Asn	Xaa	Ser	Trp	Ser	Phe	His	Arg
1				5				10					15		

Gly	Gly	Gly	Arg	Ser	Arg	Thr	Ser	Gly	Ser	Pro	Gly	Leu	Gln	Glu	Phe
			20					25					30		

Gly	Thr	Arg	Arg	Glu	Leu	Val	Ser	Arg	Arg	Ala	Gln	Arg	Thr	Ala	Thr
		35						40				45			

Asp	Ser	Pro	Gly	His	Pro	Pro	Thr	Ala	His	Gly	Xaa	Gln	Gln	Ser	Arg
	50					55					60				

Lys	Ala	Arg	Pro	Gly	Gln	Arg	Lys	Pro	Ser	Arg	Ala	Gly	Trp	Arg	Leu
65					70					75				80	

Arg	Ala	Ala	Ala	Pro	Thr	Gly	Gln	Arg	Pro	Pro	His	Val	Pro	Ala	Pro
				85					90					95	

Thr	Pro	Arg	Pro	Ser	Gly	Gln	His	Glu	Ala	Pro	Gly	Gly	Arg	Ala	Ala
			100					105					110		

Pro	Ala	Ala	Ala	Gly	Ala	Val	His	Arg	Ala	Cys	Gly	Arg	Val	Gln	Met
		115					120					125			

Gln	Val	Leu	Pro	Glu	Gly	Pro	Lys	Ile	Arg	Tyr	Ser	Asp	Val	Lys	Lys
		130					135					140			

Leu Glu Met Lys Pro Lys Tyr Pro His Cys Glu Glu Lys Met Val Ile
 145 150 155 160

Ile Thr Thr Lys Ser Val Ser Arg Tyr Arg Gly Gln Glu His Cys Leu
 165 170 175

His Pro Lys Leu Gln Ser Thr Lys Arg Phe Ile Lys Trp Tyr Asn Ala
 180 185 190

Trp Asn Glu Lys Arg Arg Val Tyr Glu Glu
 195 200

<210> 975

<211> 260

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (212)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 975

Leu Cys Leu Pro Phe Pro Thr Gly Glu Thr Pro Ser Leu Gly Phe Thr
 1 5 10 15

Val Thr Leu Val Leu Leu Asn Ser Leu Ala Phe Leu Leu Met Ala Val
 20 25 30

Ile Tyr Thr Lys Leu Tyr Cys Asn Leu Glu Lys Glu Asp Leu Ser Glu
 35 40 45

Asn Ser Gln Ser Ser Met Ile Lys His Val Ala Trp Leu Ile Phe Thr
 50 55 60

Asn Cys Ile Phe Phe Cys Pro Val Ala Phe Phe Ser Phe Ala Pro Leu
 65 70 75 80

Ile Thr Ala Ile Ser Ile Ser Pro Glu Ile Met Lys Ser Val Thr Leu
 85 90 95

Ile Phe Phe Pro Leu Pro Ala Cys Leu Asn Pro Val Leu Tyr Val Phe
 100 105 110

Phe Asn Pro Lys Phe Lys Glu Asp Trp Lys Leu Leu Lys Arg Arg Val
 115 120 125

Thr Lys Lys Ser Gly Ser Val Ser Val Ser Ile Ser Ser Gln Gly Gly
 130 135 140

Cys Leu Glu Gln Asp Phe Tyr Tyr Asp Cys Gly Met Tyr Ser His Leu
 145 150 155 160
 Gln Gly Asn Leu Thr Val Cys Asp Cys Cys Glu Ser Phe Leu Leu Thr
 165 170 175
 Lys Pro Val Ser Cys Lys His Leu Ile Lys Ser His Ser Cys Pro Ala
 180 185 190
 Leu Ala Val Ala Ser Cys Gln Arg Pro Glu Gly Tyr Trp Ser Asp Cys
 195 200 205
 Gly Thr Gln Xaa Ala His Ser Asp Tyr Ala Asp Glu Glu Asp Ser Phe
 210 215 220
 Val Ser Asp Ser Ser Asp Gln Val Gln Ala Cys Gly Arg Ala Cys Phe
 225 230 235 240
 Tyr Gln Ser Arg Gly Phe Pro Leu Val Arg Tyr Ala Tyr Asn Leu Pro
 245 250 255
 Arg Val Lys Asp
 260

<210> 976

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 976

Arg Ser Arg Lys Gln Glu Ala Ala Cys Xaa Pro Gln Asp Leu Pro Gly
 1 5 10 15
 Trp Gly Asn Trp Arg Leu Leu Gly Gly Gly Thr Val His Ala Lys Met
 20 25 30
 Ala Val Ser Thr Glu Glu Leu Glu Ala Thr Val Gln Glu Val Leu Gly
 35 40 45
 Arg Leu Lys Ser His Gln Phe Phe Gln Ser Thr Trp Asp Thr Val Ala
 50 55 60
 Phe Ile Val Phe Leu Thr Phe Met Gly Thr Val Leu Leu Leu Leu

65 70 75 80
 Leu Val Val Ala His Cys Cys Cys Cys Ser Ser Pro Gly Pro Arg Arg
 85 90 95
 Glu Ser Pro Arg Lys Glu Arg Pro Lys Gly Val Asp Asn Leu Ala Leu
 100 105 110

Glu Pro

<210> 977
 <211> 413
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (125)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 977
 Thr Pro Pro Thr His Gly Pro Thr Ala Asp Gln Pro Met Arg Pro Val
 1 5 10 15

Arg Val Pro Glu Arg Gly Pro Val His Arg Gly Ala Ala Gly Ala His
 20 25 30

Leu Pro Leu Pro Thr Arg Leu Arg Arg Pro Gln Met Arg Glu Ala His
 35 40 45

His Cys Gln Leu Arg Gly Gln Arg Leu Xaa Arg Gly Thr Gly Leu Arg
 50 55 60

Gln Gly Pro Thr Pro Gly Gln His Leu Pro Xaa Gly Gly Pro Asp Lys
 65 70 75 80

Asp Asn Gly Ile Leu Leu Tyr Lys Gly Asp Asn Asp Pro Leu Ala Leu
 85 90 95

Glu Leu Tyr Gln Gly His Val Arg Leu Val Tyr Asp Ser Leu Ser Ser
 100 105 110
 Pro Pro Thr Thr Val Tyr Ser Val Glu Thr Val Asn Xaa Gly Gln Phe
 115 120 125
 His Ser Val Glu Leu Val Thr Leu Asn Gln Thr Leu Asn Leu Val Val
 130 135 140
 Asp Lys Gly Thr Pro Lys Ser Leu Gly Lys Leu Gln Lys Gln Pro Ala
 145 150 155 160
 Val Gly Ile Asn Ser Pro Leu Tyr Leu Gly Gly Ile Pro Thr Ser Thr
 165 170 175
 Gly Leu Ser Ala Leu Arg Gln Gly Thr Asp Arg Pro Leu Gly Gly Phe
 180 185 190
 His Gly Cys Ile His Glu Val Arg Ile Asn Asn Glu Leu Gln Asp Phe
 195 200 205
 Lys Ala Leu Pro Pro Gln Ser Leu Gly Val Ser Pro Gly Cys Lys Ser
 210 215 220
 Cys Thr Val Cys Lys His Gly Leu Cys Arg Ser Val Glu Lys Asp Ser
 225 230 235 240
 Val Val Cys Glu Cys Arg Pro Gly Trp Thr Gly Pro Leu Cys Asp Gln
 245 250 255
 Glu Ala Arg Asp Pro Cys Leu Gly His Arg Cys His His Gly Lys Cys
 260 265 270
 Val Ala Thr Gly Thr Ser Tyr Met Cys Lys Cys Ala Glu Gly Tyr Gly
 275 280 285
 Gly Asp Leu Cys Asp Asn Lys Asn Asp Ser Ala Asn Ala Cys Ser Ala
 290 295 300
 Phe Lys Cys His His Gly Gln Cys His Ile Ser Asp Gln Gly Glu Pro
 305 310 315 320
 Tyr Cys Leu Cys Gln Pro Gly Phe Ser Gly Glu His Cys Gln Gln Glu
 325 330 335
 Asn Pro Cys Leu Gly Gln Val Val Arg Glu Val Ile Arg Arg Gln Lys
 340 345 350
 Gly Tyr Ala Ser Cys Ala Thr Ala Ser Lys Val Pro Ile Met Glu Cys
 355 360 365

Arg Gly Gly Cys Gly Pro Gln Cys Cys Gln Pro Thr Arg Ser Lys Arg
 370 375 380

Arg Lys Tyr Val Phe Gln Cys Thr Asp Gly Ser Ser Phe Val Glu Glu
 385 390 395 400

Val Glu Arg His Leu Glu Cys Gly Cys Leu Ala Cys Ser
 405 410

<210> 978

<211> 271

<212> PRT

<213> Homo sapiens

<400> 978

Thr Gln Arg Met Ser Gly Lys His Tyr Lys Gly Pro Glu Val Ser Cys
 1 5 10 15

Cys Ile Lys Tyr Phe Ile Phe Gly Phe Asn Val Ile Phe Trp Phe Leu
 20 25 30

Gly Ile Thr Phe Leu Gly Ile Gly Leu Trp Ala Trp Asn Glu Lys Gly
 35 40 45

Val Leu Ser Asn Ile Ser Ser Ile Thr Asp Leu Gly Gly Phe Asp Pro
 50 55 60

Val Trp Leu Phe Leu Val Val Gly Gly Val Met Phe Ile Leu Gly Phe
 65 70 75 80

Ala Gly Cys Ile Gly Ala Leu Arg Glu Asn Thr Phe Leu Leu Lys Phe
 85 90 95

Phe Ser Val Phe Leu Gly Ile Ile Phe Phe Leu Glu Leu Thr Ala Gly
 100 105 110

Val Leu Ala Phe Val Phe Lys Asp Trp Ile Lys Asp Gln Leu Tyr Phe
 115 120 125

Phe Ile Asn Asn Asn Ile Arg Ala Tyr Arg Asp Asp Ile Asp Leu Gln
 130 135 140

Asn Leu Ile Asp Phe Thr Gln Glu Tyr Trp Gln Cys Cys Gly Ala Phe
 145 150 155 160

Gly Ala Asp Asp Trp Asn Leu Asn Ile Tyr Phe Asn Cys Thr Asp Ser
 165 170 175

Asn Ala Ser Arg Glu Arg Cys Gly Val Pro Phe Ser Cys Cys Thr Lys
 180 185 190

Asp Pro Ala Glu Asp Val Ile Asn Thr Gln Cys Gly Tyr Asp Ala Arg
 195 200 205

Gln Lys Pro Glu Val Asp Gln Gln Ile Val Ile Tyr Thr Lys Gly Cys
 210 215 220

Val Pro Gln Phe Glu Lys Trp Leu Gln Asp Asn Leu Thr Ile Val Ala
 225 230 235 240

Gly Ile Phe Ile Gly Ile Ala Leu Leu Gln Ile Phe Gly Ile Cys Leu
 245 250 255

Ala Gln Asn Leu Val Ser Asp Ile Glu Ala Val Arg Ala Ser Trp
 260 265 270

<210> 979

<211> 674

<212> PRT

<213> Homo sapiens

<400> 979

Pro Gly Arg Thr Gly Ala Ala Gly Pro Ala Gly Pro Ala Gly Pro Arg
 1 5 10 15

Gly Ser Pro Gly Glu Arg Gly Glu Val Gly Pro Ala Gly Pro Asn Gly
 20 25 30

Phe Ala Gly Pro Ala Gly Ala Ala Gly Gln Pro Gly Ala Lys Gly Glu
 35 40 45

Arg Gly Ala Lys Gly Pro Lys Gly Glu Asn Gly Val Val Gly Pro Thr
 50 55 60

Gly Pro Val Gly Ala Ala Gly Pro Ala Gly Pro Asn Gly Pro Pro Gly
 65 70 75 80

Pro Ala Gly Ser Arg Gly Asp Gly Gly Pro Pro Gly Met Thr Gly Phe
 85 90 95

Pro Gly Ala Ala Gly Arg Thr Gly Pro Pro Gly Pro Ser Gly Ile Ser
 100 105 110

Gly Pro Pro Gly Pro Pro Gly Pro Ala Gly Lys Glu Gly Leu Arg Gly
 115 120 125

Pro Arg Gly Asp Gln Gly Pro Val Gly Arg Thr Gly Glu Val Gly Ala

130	135	140
Val Gly Pro Pro Gly Phe Ala Gly Glu Lys Gly Pro Ser Gly Glu Ala		
145	150	155 160
Gly Thr Ala Gly Pro Pro Gly Thr Pro Gly Pro Gln Gly Leu Leu Gly		
	165	170 175
Ala Pro Gly Ile Leu Gly Leu Pro Gly Ser Arg Gly Glu Arg Gly Leu		
	180	185 190
Pro Gly Val Ala Gly Ala Val Gly Glu Pro Gly Pro Leu Gly Ile Ala		
	195	200 205
Gly Pro Pro Gly Ala Arg Gly Pro Pro Gly Ala Val Gly Ser Pro Gly		
	210	215 220
Val Asn Gly Ala Pro Gly Glu Ala Gly Arg Asp Gly Asn Pro Gly Asn		
	225	230 235 240
Asp Gly Pro Pro Gly Arg Asp Gly Gln Pro Gly His Lys Gly Glu Arg		
	245	250 255
Gly Tyr Pro Gly Asn Ile Gly Pro Val Gly Ala Ala Gly Ala Pro Gly		
	260	265 270
Pro His Gly Pro Val Gly Pro Ala Gly Lys His Gly Asn Arg Gly Glu		
	275	280 285
Thr Gly Pro Ser Gly Pro Val Gly Pro Ala Gly Ala Val Gly Pro Arg		
	290	295 300
Gly Pro Ser Gly Pro Gln Gly Ile Arg Gly Asp Lys Gly Glu Pro Gly		
	305	310 315 320
Glu Lys Gly Pro Arg Gly Leu Pro Gly Leu Lys Gly His Asn Gly Leu		
	325	330 335
Gln Gly Leu Pro Gly Ile Ala Gly His His Gly Asp Gln Gly Ala Pro		
	340	345 350
Gly Ser Val Gly Pro Ala Gly Pro Arg Gly Pro Ala Gly Pro Ser Gly		
	355	360 365
Pro Ala Gly Lys Asp Gly Arg Thr Gly His Pro Gly Thr Val Gly Pro		
	370	375 380
Ala Gly Ile Arg Gly Pro Gln Gly His Gln Gly Pro Ala Gly Pro Pro		
	385	390 395 400
Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Val Ser Gly Gly Gly Tyr		

405	410	415
Asp Phe Gly Tyr Asp Gly Asp Phe Tyr Arg Ala Asp Gln Pro Arg Ser		
420	425	430
Ala Pro Ser Leu Arg Pro Lys Asp Tyr Glu Val Asp Ala Thr Leu Lys		
435	440	445
Ser Leu Asn Asn Gln Ile Glu Thr Leu Leu Thr Pro Glu Gly Ser Arg		
450	455	460
Lys Asn Pro Ala Arg Thr Cys Arg Asp Leu Arg Leu Ser His Pro Glu		
465	470	475
Trp Ser Ser Gly Tyr Tyr Trp Ile Asp Pro Asn Gln Gly Cys Thr Met		
485	490	495
Asp Ala Ile Lys Val Tyr Cys Asp Phe Ser Thr Gly Glu Thr Cys Ile		
500	505	510
Arg Ala Gln Pro Glu Asn Ile Pro Ala Lys Asn Trp Tyr Arg Ser Ser		
515	520	525
Lys Asp Lys Lys His Val Trp Leu Gly Glu Thr Ile Asn Ala Gly Ser		
530	535	540
Gln Phe Glu Tyr Asn Val Glu Gly Val Thr Ser Lys Glu Met Ala Thr		
545	550	555
Gln Leu Ala Phe Met Arg Leu Leu Ala Asn Tyr Ala Ser Gln Asn Ile		
565	570	575
Thr Tyr His Cys Lys Asn Ser Ile Ala Tyr Met Asp Glu Glu Thr Gly		
580	585	590
Asn Leu Lys Lys Ala Val Ile Leu Gln Gly Ser Asn Asp Val Glu Leu		
595	600	605
Val Ala Glu Gly Asn Ser Arg Phe Thr Tyr Thr Val Leu Val Asp Gly		
610	615	620
Cys Ser Lys Lys Thr Asn Glu Trp Gly Lys Thr Ile Ile Glu Tyr Lys		
625	630	635
Thr Asn Lys Pro Ser Arg Leu Pro Phe Leu Asp Ile Ala Pro Leu Asp		
645	650	655
Ile Gly Gly Ala Asp Gln Glu Phe Phe Val Asp Ile Gly Pro Val Cys		
660	665	670
Phe Lys		

<210> 980
<211> 120
<212> PRT
<213> Homo sapiens

<400> 980

Cys Pro Leu Cys Ser Ala Ala Gly Ser Arg Arg Thr Ala Gly Arg Met
1 5 10 15
Thr Gln Asn Thr Val Ile Val Asn Gly Val Ala Met Ala Ser Arg Pro
20 25 30
Ser Gln Pro Thr His Val Asn Val His Ile His Gln Glu Ser Ala Leu
35 40 45
Thr Gln Leu Leu Lys Ala Gly Gly Ser Leu Lys Lys Phe Leu Phe His
50 55 60
Pro Gly Asp Thr Val Pro Ser Thr Ala Arg Ile Gly Tyr Glu Gln Leu
65 70 75 80
Ala Leu Gly Val Thr Gln Ile Leu Leu Gly Val Val Ser Cys Val Leu
85 90 95
Gly Val Cys Leu Ser Leu Gly Pro Trp Thr Val Leu Ser Ala Ser Ala
100 105 110
Val Pro Ser Gly Arg Gly Leu Trp
115 120

<210> 981
<211> 76
<212> PRT
<213> Homo sapiens

<400> 981

Ile Pro Gly Ser Tyr Leu Arg Ile Val Tyr Lys Thr Thr Cys Asn Pro
1 5 10 15
Phe Met Lys Asn Val Phe Lys Tyr Cys Phe Leu Leu Leu Cys Ser Ala
20 25 30
Leu Ser Leu Val Leu Pro Leu Ser Pro Glu Cys Ser Ile Ile Tyr Arg
35 40 45

Leu Tyr Ile Thr Thr Ser Ile Ala Phe Gly Gly Lys Ser Arg Phe Ser
50 55 60

Cys Asn Phe Pro Ala Val Lys Met Leu Pro Cys Ile
65 70 75

<210> 982

<211> 208

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (192)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (193)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (195)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (200)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 982

Xaa Ser Phe Xaa Thr Gln Pro Ser Xaa Ser Thr Thr Thr Ser Pro Leu
1 5 10 15

Trp Ala Asn Thr Val Thr Leu Ala Gly Gly Lys Leu His Ser Lys Gly
20 25 30

Leu Lys Tyr Phe His His Phe Thr Leu Ser Leu Cys Gly Asn Gln Gly
35 40 45

Arg Lys Met Ser Val Cys Thr Asp Asn Val Thr Asp Leu Arg Ile Pro
50 55 60

Glu Gly Glu Ser Gly Phe Ser Lys Ser Ile Thr Ala Tyr Val Cys Gln
65 70 75 80

Ala Val Ile Ile Pro Pro Glu Val Thr Gly Tyr Lys Ala Gly Val Ser
85 90 95

Ser Gln Pro Val Ser Leu Ala Asp Arg Leu Ile Gly Val Thr Thr Asp
100 105 110

Met Thr Leu Asp Gly Ile Thr Ser Pro Ala Glu Leu Phe His Leu Glu
115 120 125

Ser Leu Gly Ile Pro Asp Val Ile Phe Phe Tyr Arg Ser Asn Asp Val
130 135 140

Thr Gln Ser Cys Ser Ser Gly Arg Ser Thr Thr Ile Arg Val Arg Cys
145 150 155 160

Ser Pro Gln Lys Thr Val Pro Gly Ser Leu Leu Leu Pro Gly Thr Cys
165 170 175

Ser Asp Gly Xaa Cys Asp Gly Cys Asn Phe His Phe Leu Trp Glu Xaa
180 185 190

Xaa Xaa Xaa Ala Arg Ser Ala Xaa Trp Leu Thr Thr Met Leu Ser Ser
195 200 205

<210> 983
 <211> 261
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (259)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (260)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 983
 Val Thr Gly Gly Glu Leu Phe Glu Asp Ile Val Ala Arg Glu Tyr Tyr
 1 5 10 15
 Ser Glu Ala Asp Ala Ser His Cys Ile Gln Gln Ile Leu Glu Ala Val
 20 25 30
 Leu His Cys His Gln Met Gly Val Val His Arg Asp Leu Lys Pro Glu
 35 40 45
 Asn Leu Leu Leu Ala Ser Lys Ser Lys Gly Ala Ala Val Lys Leu Ala
 50 55 60
 Asp Phe Gly Leu Ala Ile Glu Val Gln Gly Asp Gln Gln Ala Trp Phe
 65 70 75 80
 Gly Phe Ala Gly Thr Pro Gly Tyr Leu Ser Xaa Xaa Val Leu Arg Lys
 85 90 95
 Asp Pro Tyr Gly Lys Pro Val Asp Met Trp Ala Cys Gly Val Ile Leu
 100 105 110
 Tyr Ile Leu Leu Val Gly Tyr Pro Pro Phe Trp Asp Glu Asp Gln His
 115 120 125

Arg Leu Tyr Gln Gln Ile Lys Ala Gly Ala Tyr Asp Phe Pro Ser Pro
 130 135 140
 Glu Trp Asp Thr Val Thr Pro Glu Ala Lys Asp Leu Ile Asn Lys Met
 145 150 155 160
 Leu Thr Ile Asn Pro Ala Lys Arg Ile Thr Ala Ser Glu Ala Leu Lys
 165 170 175
 His Pro Trp Ile Cys Gln Arg Ser Thr Val Ala Ser Met Met His Arg
 180 185 190
 Gln Glu Thr Val Asp Cys Leu Lys Lys Phe Asn Ala Arg Arg Lys Leu
 195 200 205
 Lys Gly Ala Ile Leu Thr Thr Met Leu Ala Thr Arg Asn Phe Ser Ala
 210 215 220
 Ala Lys Ser Leu Leu Lys Lys Pro Asp Gly Val Lys Glu Ser Thr Glu
 225 230 235 240
 Ser Ser Asn Thr Thr Ile Glu Asp Glu Phe Ser Leu Asp Leu Thr Arg
 245 250 255
 Leu Thr Xaa Xaa Gly
 260

<210> 984

<211> 283

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (268)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 984

Ser Thr His Ala Ser Gly Arg Met Ala Ala Glu Gly Trp Ile Trp Arg
 1 5 10 15

Trp Gly Trp Gly Arg Arg Cys Leu Gly Arg Pro Gly Leu Leu Gly Pro
 20 25 30

Gly Pro Gly Pro Thr Thr Pro Leu Phe Leu Leu Leu Leu Leu Gly Ser
 35 40 45
 Val Thr Ala Asp Ile Thr Asp Gly Asn Ser Glu His Leu Lys Arg Glu
 50 55 60
 His Ser Leu Ile Lys Pro Tyr Gln Gly Val Gly Ser Ser Ser Met Pro
 65 70 75 80
 Leu Trp Asp Phe Gln Gly Ser Thr Met Leu Thr Ser Gln Tyr Val Arg
 85 90 95
 Leu Thr Pro Asp Glu Arg Xaa Lys Glu Gly Ser Ile Trp Asn His Gln
 100 105 110
 Pro Cys Phe Leu Lys Asp Trp Glu Met His Val His Phe Lys Val His
 115 120 125
 Gly Thr Gly Lys Lys Asn Leu His Gly Asp Gly Ile Ala Leu Trp Tyr
 130 135 140
 Thr Arg Asp Arg Leu Val Pro Gly Pro Val Phe Gly Ser Lys Asp Asn
 145 150 155 160
 Phe His Gly Leu Ala Ile Phe Leu Asp Thr Tyr Pro Asn Asp Glu Thr
 165 170 175
 Thr Glu Arg Val Phe Pro Tyr Ile Ser Val Met Val Asn Asn Gly Ser
 180 185 190
 Leu Ser Tyr Asp His Ser Lys Asp Gly Arg Trp Thr Glu Leu Ala Gly
 195 200 205
 Cys Thr Ala Asp Phe Arg Asn Arg Asp His Asp Thr Phe Leu Ala Val
 210 215 220
 Arg Tyr Ser Arg Gly Arg Leu Thr Val Met Thr Asp Leu Glu Asp Lys
 225 230 235 240
 Asn Glu Trp Lys Asn Cys Ile Asp Ile Thr Gly Val Arg Leu Pro Thr
 245 250 255
 Gly Tyr Tyr Phe Gly Ala Ser Ala Gly Thr Gly Xaa Leu Ser Asp Asn
 260 265 270
 His Asp Ile Ile Ser Met Lys Ala Val Pro Ser
 275 280

<211> 144

<212> PRT

<213> Homo sapiens

<400> 985

Ala Arg Gly Arg Ala Glu Val Leu Gly Arg Ala Val Glu Pro Pro Pro
1 5 10 15

Gly Arg Cys Trp Ser Thr Pro Pro Val Ala Pro Pro Ala Arg Ser Ala
20 25 30

Ser Ala Ala Ala Met Gly Val Gln Val Glu Thr Ile Ser Pro Gly Asp
35 40 45

Gly Arg Thr Phe Pro Lys Arg Gly Gln Thr Cys Val Val His Tyr Thr
50 55 60

Gly Met Leu Glu Asp Gly Lys Lys Phe Asp Ser Ser Arg Asp Arg Asn
65 70 75 80

Lys Pro Phe Lys Phe Met Leu Gly Lys Gln Glu Val Ile Arg Gly Trp
85 90 95

Glu Glu Gly Val Ala Gln Met Ser Val Gly Gln Arg Ala Lys Leu Thr
100 105 110

Ile Ser Pro Asp Tyr Ala Tyr Gly Ala Thr Gly His Pro Gly Ile Ile
115 120 125

Pro Pro His Ala Thr Leu Val Phe Asp Val Glu Leu Leu Lys Leu Glu
130 135 140

<210> 986

<211> 75

<212> PRT

<213> Homo sapiens

<400> 986

Ile Phe Val Cys Leu Cys Val Cys Leu Ser Cys Val Ile Leu Leu Gly
1 5 10 15

Ala Ser Ala Asn Ser Leu Thr Val Val Pro Ser Leu Thr Leu Pro Val
20 25 30

His His Leu Arg Arg Leu Asp Pro Ser Leu Thr Ser Pro Phe Leu Lys
35 40 45

Pro Val Ser Phe Ser Leu Leu Pro Asn Trp Leu Trp Leu Phe Leu Gln
 50 55 60

Pro Phe His Ser Arg Ala Ile Phe Ala Lys Glu
 65 70 75

<210> 987

<211> 332

<212> PRT

<213> Homo sapiens

<400> 987

Arg Thr Arg Gly Arg Thr Arg Gly Arg Thr Arg Gly Arg Val Ala Trp
 1 5 10 15

Trp Leu Arg Leu Ser Val Arg Pro Pro Ala Gly Ala Ile Met Ala Asp
 20 25 30

Ala Ala Ser Gln Val Leu Leu Gly Ser Gly Leu Thr Ile Leu Ser Gln
 35 40 45

Pro Leu Met Tyr Val Lys Val Leu Ile Gln Val Gly Tyr Glu Pro Leu
 50 55 60

Pro Pro Thr Ile Gly Arg Asn Ile Phe Gly Arg Gln Val Cys Gln Leu
 65 70 75 80

Pro Gly Leu Phe Ser Tyr Ala Gln His Ile Ala Ser Ile Asp Gly Arg
 85 90 95

Arg Gly Leu Phe Thr Gly Leu Thr Pro Arg Leu Cys Ser Gly Val Leu
 100 105 110

Gly Thr Val Val His Gly Lys Val Leu Gln His Tyr Gln Glu Ser Asp
 115 120 125

Lys Gly Glu Glu Leu Gly Pro Gly Asn Val Gln Lys Glu Val Ser Ser
 130 135 140

Ser Phe Asp His Val Ile Lys Glu Thr Thr Arg Glu Met Ile Ala Arg
 145 150 155 160

Ser Ala Ala Thr Leu Ile Thr His Pro Phe His Val Ile Thr Leu Arg
 165 170 175

Ser Met Val Gln Phe Ile Gly Arg Glu Ser Lys Tyr Cys Gly Leu Cys
 180 185 190

Asp Ser Ile Ile Thr Ile Tyr Arg Glu Glu Gly Ile Leu Gly Phe Phe
195 200 205

Ala Gly Leu Val Pro Arg Leu Leu Gly Asp Ile Leu Ser Leu Trp Leu
210 215 220

Cys Asn Ser Leu Ala Tyr Leu Val Asn Thr Tyr Ala Leu Asp Ser Gly
225 230 235 240

Val Ser Thr Met Asn Glu Met Lys Ser Tyr Ser Gln Ala Val Thr Gly
245 250 255

Phe Phe Ala Ser Met Leu Thr Tyr Pro Phe Val Leu Val Ser Asn Leu
260 265 270

Met Ala Val Asn Asn Cys Gly Leu Ala Gly Gly Cys Pro Pro Tyr Ser
275 280 285

Pro Ile Tyr Thr Ser Trp Ile Asp Cys Trp Cys Met Leu Gln Lys Glu
290 295 300

Gly Asn Met Ser Arg Gly Asn Ser Leu Phe Phe Arg Lys Val Pro Phe
305 310 315 320

Gly Lys Thr Tyr Cys Cys Asp Leu Lys Met Leu Ile
325 330

<210> 988

<211> 909

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (632)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (851)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 988

Gly	Lys	Lys	Ala	Glu	Gly	Ala	Gln	Asn	Gln	Gly	Lys	Lys	Ala	Glu	Gly
1				5					10					15	

Ala	Gln	Asn	Gln	Gly	Lys	Lys	Ala	Glu	Gly	Ala	Gln	Asn	Gln	Gly	Xaa
		20						25						30	

Lys	Ala	Glu	Gly	Ala	Gln	Asn	Gln	Xaa	Lys	Lys	Ala	Glu	Gly	Xaa	Xaa
		35					40						45		

Asn	Gln	Gly	Xaa	Lys	Ala	Glu	Gly	Ala	Xaa	Asn	Gln	Gly	Xaa	Lys	Ala
		50					55						60		

Glu	Gly	Ala	Gln	Asn	Gln	Gly	Lys	Lys	Ala	Glu	Gly	Ala	Gln	Asn	Gln
	65					70					75				80

Gly	Lys	Lys	Ala	Glu	Gly	Ala	Gln	Asn	Gln	Gly	Lys	Lys	Ala	Glu	Gly
								85			90				95

Ala Gln Asn Gln Gly Lys Lys Ala Glu Gly Ala Gln Asn Gln Gly Lys
 100 105 110
 Lys Ala Glu Gly Ala Gln Asn Gln Gly Lys Lys Val Xaa Gly Ala Gln
 115 120 125
 Asn Gln Gly Lys Lys Ala Glu Gly Ala Gln Asn Gln Gly Lys Lys Ala
 130 135 140
 Glu Gly Ala Gln Asn Gln Gly Lys Lys Ala Glu Gly Ala Gln Asn Gln
 145 150 155 160
 Gly Gln Lys Gly Glu Gly Ala Gln Asn Gln Gly Lys Lys Thr Glu Gly
 165 170 175
 Ala Gln Gly Lys Lys Ala Glu Arg Ser Pro Asn Gln Gly Lys Lys Gly
 180 185 190
 Glu Gly Ala Pro Ile Gln Gly Lys Lys Ala Asp Ser Val Ala Asn Gln
 195 200 205
 Gly Thr Lys Val Glu Gly Ile Thr Asn Gln Gly Lys Lys Ala Glu Gly
 210 215 220
 Ser Pro Ser Glu Gly Lys Lys Ala Glu Gly Ser Pro Asn Gln Gly Lys
 225 230 235 240
 Lys Ala Asp Ala Ala Ala Asn Gln Gly Lys Lys Thr Glu Ser Ala Ser
 245 250 255
 Val Gln Gly Arg Asn Thr Asp Val Ala Gln Ser Pro Glu Ala Pro Lys
 260 265 270
 Gln Glu Ala Pro Ala Lys Lys Lys Ser Gly Ser Lys Lys Lys Gly Glu
 275 280 285
 Pro Gly Pro Pro Asp Ala Asp Gly Pro Leu Tyr Leu Pro Tyr Lys Thr
 290 295 300
 Leu Val Ser Thr Val Gly Ser Met Val Phe Asn Glu Gly Glu Ala Gln
 305 310 315 320
 Arg Leu Ile Glu Ile Leu Ser Glu Lys Ala Gly Ile Ile Gln Asp Thr
 325 330 335
 Trp His Lys Ala Thr Gln Lys Gly Asp Pro Val Ala Ile Leu Lys Arg
 340 345 350
 Gln Leu Glu Glu Lys Glu Lys Leu Leu Ala Thr Glu Gln Glu Asp Ala
 355 360 365

Ala Val Ala Lys Ser Lys Leu Arg Glu Leu Asn Lys Glu Met Ala Ala
 370 375 380
 Glu Lys Ala Lys Ala Ala Ala Gly Glu Ala Lys Val Lys Lys Gln Leu
 385 390 395 400
 Val Ala Arg Glu Gln Glu Ile Thr Ala Val Gln Ala Arg Met Gln Ala
 405 410 415
 Ser Tyr Arg Glu His Val Lys Glu Val Gln Gln Leu Gln Gly Lys Ile
 420 425 430
 Arg Thr Leu Gln Glu Gln Leu Glu Asn Gly Pro Asn Thr Gln Leu Ala
 435 440 445
 Arg Leu Gln Gln Glu Asn Ser Ile Leu Arg Asp Ala Leu Asn Gln Ala
 450 455 460
 Thr Ser Gln Val Glu Ser Lys Gln Asn Ala Glu Leu Ala Lys Leu Arg
 465 470 475 480
 Gln Glu Leu Ser Lys Val Ser Lys Glu Leu Val Glu Lys Ser Glu Ala
 485 490 495
 Val Arg Gln Asp Glu Gln Gln Arg Lys Ala Leu Glu Ala Lys Ala Ala
 500 505 510
 Ala Phe Glu Lys Gln Val Leu Gln Leu Gln Ala Ser His Arg Glu Ser
 515 520 525
 Glu Glu Ala Leu Gln Lys Arg Leu Asp Glu Val Ser Arg Glu Leu Cys
 530 535 540
 His Thr Gln Ser Ser His Ala Ser Leu Arg Ala Asp Ala Glu Lys Ala
 545 550 555 560
 Gln Glu Gln Gln Gln Gln Met Ala Glu Leu His Ser Lys Leu Gln Ser
 565 570 575
 Ser Glu Ala Glu Val Arg Ser Lys Cys Glu Glu Leu Ser Gly Leu His
 580 585 590
 Gly Gln Leu Gln Glu Ala Arg Ala Glu Asn Ser Gln Leu Thr Glu Arg
 595 600 605
 Ile Arg Ser Ile Glu Ala Leu Leu Glu Ala Gly Gln Ala Arg Asp Ala
 610 615 620
 Gln Asp Val Gln Ala Ser Gln Xaa Glu Ala Asp Gln Gln Gln Thr Arg
 625 630 635 640

Leu Lys Glu Leu Glu Ser Gln Val Ser Gly Leu Glu Lys Glu Ala Ile
645 650 655

Glu Leu Arg Glu Ala Val Glu Gln Gln Lys Val Lys Asn Asn Asp Leu
660 665 670

Arg Glu Lys Asn Trp Lys Ala Met Glu Ala Leu Ala Thr Ala Glu Gln
675 680 685

Ala Cys Lys Glu Lys Leu His Ser Leu Thr Gln Ala Lys Glu Glu Ser
690 695 700

Glu Lys Gln Leu Cys Leu Ile Glu Ala Gln Thr Met Glu Ala Leu Leu
705 710 715 720

Ala Leu Leu Pro Glu Leu Ser Val Leu Ala Gln Gln Asn Tyr Thr Glu
725 730 735

Trp Leu Gln Asp Leu Lys Glu Lys Gly Pro Thr Leu Leu Lys His Pro
740 745 750

Pro Ala Pro Ala Glu Pro Ser Ser Asp Leu Ala Ser Lys Leu Arg Glu
755 760 765

Ala Glu Glu Thr Gln Ser Thr Leu Gln Ala Glu Cys Asp Gln Tyr Arg
770 775 780

Ser Ile Leu Ala Glu Thr Glu Gly Met Leu Arg Asp Leu Gln Lys Ser
785 790 795 800

Val Glu Glu Glu Glu Gln Val Trp Arg Ala Lys Val Gly Ala Ala Glu
805 810 815

Glu Glu Leu Gln Lys Ser Arg Val Thr Val Lys His Leu Glu Glu Ile
820 825 830

Val Glu Lys Leu Lys Gly Glu Leu Glu Ser Ser Asp Gln Val Arg Glu
835 840 845

His Thr Xaa His Leu Glu Ala Glu Leu Glu Lys His Met Ala Ala Ala
850 855 860

Ser Ala Glu Cys Gln Asn Tyr Ala Lys Glu Val Ala Gly Leu Arg Gln
865 870 875 880

Leu Leu Leu Glu Ser Gln Ser Gln Leu Asp Ala Ala Lys Ser Glu Ala
885 890 895

Arg Asn Arg Ala Met Ser Leu Pro Trp Ser Gly Ser Ser
900 905

<210> 989

<211> 100

<212> PRT

<213> Homo sapiens

<400> 989

Trp Cys Ser Arg Ala Val Pro Pro Pro Ser Leu Leu Pro Ala Ser Thr
1 5 10 15

Ser Pro Pro Arg Ser Val Pro Pro Pro Ser Phe Ser Leu Ser Leu Lys
20 25 30

Ser Val Ser Phe Gly Ser Pro Arg Ala Ser Leu Pro Arg Pro Ser Trp
35 40 45

Met Arg Pro Pro Ser Pro Lys Pro Ala Cys Phe Ala Val Ser Pro Gly
50 55 60

Ser Trp Lys Leu Ala Gly Ala Arg Gly Trp Arg Gly His Gly Gly Val
65 70 75 80

Gly Glu Gly Ser Leu Pro Phe Leu Val Arg Ser Ile Ile Val Asn Gly
85 90 95

Cys Thr Leu Phe
100

<210> 990

<211> 214

<212> PRT

<213> Homo sapiens

<400> 990

Leu Arg Ile Glu Tyr Ile Asp Asn Gly Cys Val Ile Asn Gly His Leu
1 5 10 15

Asp Phe Pro Ser Thr Thr Pro Leu Ser Gly Met Glu Ser Arg Asn Gly
20 25 30

Gln Cys Leu Thr Gly Thr Asn Gly Ile Ser Ser Gly Leu Ala Pro Gly
35 40 45

Gln Pro Phe Pro Ser Ser Gln Gly Ser Leu Cys Ile Ser Gly Thr Glu
50 55 60

Glu Pro Glu Lys Thr Leu Arg Ala Asn Pro Glu Leu Cys Gly Ser Leu

Asp Thr Gly His Gly Trp Ala Glu Ala Phe Ala Gly Ile Arg Ser Ser
65 70 75 80

His Ile Lys Tyr Ile Cys Pro His Ala Pro Val Arg Pro Val Thr Leu
85 90 95

Asn Met Asn Val Ala Met Pro Ser Trp Phe Asp Ile Ile Gly Leu Ser
100 105 110

Pro Asp Ser Gln Glu Asp Glu Ser Gly Ile Lys Gln Ala Ala Glu Asn
115 120 125

Ile Lys Ala Leu Ile Asp Gln Glu Val Lys Asn Gly Ile Pro Ser Asn
130 135 140

Arg Ile Ile Leu Gly Gly Phe Ser Gln Gly Gly Ala Leu Ser Leu Tyr
145 150 155 160

Thr Ala Leu Thr Thr Gln Gln Lys Leu Ala Gly Val Thr Ala Leu Ser
165 170 175

Cys Trp Leu Pro Leu Arg Ala Ser Phe Pro Gln Gly Pro Ile Gly Gly
180 185 190

Ala Asn Arg Asp Ile Ser Ile Leu Gln Cys His Gly Asp Cys Asp Pro
195 200 205

Leu Val Pro Leu Met Phe Gly Ser Leu Thr Val Glu Lys Leu Lys Thr
210 215 220

Leu Val Asn Pro Ala Asn Val Thr Phe Lys Thr Tyr Glu Gly Met Met
225 230 235 240

His Ser Ser Cys Gln Gln Glu Met Met Asp Val Lys Gln Phe Ile Asp
245 250 255

Lys Leu Leu Pro Pro Ile Asp
260

<210> 992

<211> 256

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (229)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 992

Val Pro Arg Arg Val Leu Glu Pro Leu Leu Gln Arg Ile His Glu Glu

1 5 10 15
Glu Ser Ala Val Val Cys Pro Val Ile Asp Val Ile Asp Trp Asn Thr
 20 25 30
Phe Glu Tyr Leu Gly Asn Ser Gly Glu Pro Gln Ile Gly Gly Phe Asp
 35 40 45
Trp Arg Leu Val Phe Thr Trp His Thr Val Pro Glu Arg Glu Arg Ile
 50 55 60
Arg Met Gln Ser Pro Val Asp Val Ile Arg Ser Pro Thr Met Ala Gly
 65 70 75 80
Gly Leu Phe Ala Val Ser Lys Lys Tyr Phe Glu Tyr Leu Gly Ser Tyr
 85 90 95
Asp Thr Gly Met Glu Val Trp Gly Gly Glu Asn Leu Glu Phe Ser Phe
 100 105 110
Arg Ile Trp Gln Cys Gly Gly Val Leu Glu Thr His Pro Cys Ser His
 115 120 125
Val Gly His Val Phe Pro Lys Gln Ala Pro Tyr Ser Arg Asn Lys Ala
 130 135 140
Leu Ala Asn Ser Val Arg Ala Ala Glu Val Trp Met Asp Glu Phe Lys
 145 150 155 160
Glu Leu Tyr Tyr His Arg Asn Pro Arg Ala Arg Leu Glu Pro Phe Gly
 165 170 175
Asp Val Thr Glu Arg Lys Gln Leu Arg Asp Lys Leu Gln Cys Lys Asp
 180 185 190
Phe Lys Trp Phe Leu Glu Thr Val Tyr Pro Glu Leu His Val Pro Glu
 195 200 205
Asp Arg Pro Gly Phe Phe Gly Met Leu Gln Asn Lys Gly Leu Thr Asp
 210 215 220
Tyr Cys Phe Asp Xaa Asn Pro Pro Asp Glu Asn Gln Ile Val Gly His
 225 230 235 240
Gln Val Ile Leu Tyr Leu Cys His Gly Met Gly Gln Asn Asp Leu Val
 245 250 255

<210> 993

<211> 70

<212> PRT

<213> Homo sapiens

<400> 993

Val Val Trp Ser Arg Val Cys Gly Phe Ser Gly Pro Ile Ile Met Ala
1 5 10 15

Ala Ser Glu Ser Glu Glu Ser His Arg Ala Val Gly Glu Leu Leu Leu
20 25 30

Pro Ser Pro Ser Pro Phe Val Ala Pro Thr Leu Ala Ala Tyr Phe Cys
35 40 45

Ser Ser Ala Gly Glu Ser Val Trp Ala Ser Ser Ser Pro Ser Leu Ser
50 55 60

Pro Cys Tyr Phe Met Gly
65 70

<210> 994

<211> 220

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 994

Asp Tyr Ala Xaa Thr Pro Gln Gly Leu Cys Tyr Asp Val Ala Cys Thr
1 5 10 15

Arg Lys Leu Gly Pro Leu Glu Gly Ser Ser Arg Ala Ala Ala Ala Ala
20 25 30

Phe Gly Glu Ser Ala Gly Gln Met Ser Asn Glu Arg Gly Phe Glu Asn
35 40 45

Val Glu Leu Gly Val Ile Gly Lys Lys Lys Lys Val Pro Arg Arg Val
50 55 60

Ile His Phe Val Ser Gly Glu Thr Met Glu Glu Tyr Ser Thr Asp Glu
65 70 75 80

Asp Glu Val Asp Gly Leu Glu Lys Lys Asp Val Leu Pro Thr Val Asp


```

      85              90              95
Pro Thr Lys Leu Thr Trp Gly Pro Tyr Leu Trp Phe Tyr Met Leu Arg
    100              105              110
Ala Ala Thr Ser Thr Leu Ser Val Cys Asp Phe Leu Gly Glu Lys Ile
    115              120              125
Ala Ser Val Leu Gly Ile Ser Thr Pro Lys Tyr Gln Tyr Ala Ile Asp
    130              135              140
Glu Tyr Tyr Arg Met Lys Lys Glu Glu Glu Glu Glu Glu Glu Asn
    145              150              155              160
Arg Met Ser Glu Glu Ala Glu Lys Gln Tyr Gln Gln Asn Lys Leu Gln
    165              170              175
Thr Asp Ser Ile Val Gln Thr Asp Gln Pro Glu Thr Val Ile Ser Ser
    180              185              190
Ser Phe Val Asn Val Asn Phe Glu Met Glu Gly Asp Ser Glu Val Ile
    195              200              205
Met Glu Ser Lys Gln Asn Pro Val Ser Val Pro Pro
    210              215              220

```

<210> 995

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 995

```

Lys Ile Gln Gly Pro Glu Leu Trp Lys Leu Gln Ala Lys Gly Met Gly
  1              5              10              15
Leu Gly Leu Ser Cys Val Xaa Ile Leu Ile Arg Lys Gly Tyr Ala His
    20              25              30
Thr Leu Ala Cys Ser Asp Ser Lys Thr Glu Gly Phe Thr Arg Pro Thr
    35              40              45
Pro Gly Lys Trp Ala Ser Leu Pro Pro Met Leu Ser Phe Asn Leu Cys
    50              55              60

```

Asn Leu Pro Val Ser Ile Gly Gly His Leu Thr Pro Ser Lys Glu Pro
 65 70 75 80

Ser Leu Phe Cys Pro Leu Pro Cys Thr Val Phe Leu Cys Ile Ser Pro
 85 90 95

Ser Trp Ala Leu Phe Tyr Ser His Leu Gly Leu
 100 105

<210> 996
 <211> 146
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 996
 Thr Ile Gln Pro Arg Arg Ser Pro Ser Thr Arg Phe Xaa Xaa Asn Xaa
 1 5 10 15

Ser Leu Val Gln Glu Asn Leu Tyr Phe Gln Arg Cys Leu Asp Trp Asn
 20 25 30

Arg Asp Ile Leu Lys Lys Glu Leu Gly Leu Thr Glu Gln Asp Ile Ile
 35 40 45

Asp Leu Pro Ala Leu Phe Lys Met Asp Glu Asp His Arg Ala Arg Ala
 50 55 60

Phe Phe Pro Asn Met Val Asn Met Ile Val Leu Asp Lys Asp Leu Gly
 65 70 75 80

Ile Pro Lys Pro Phe Gly Pro Gln Val Glu Glu Glu Cys Cys Leu Glu
 85 90 95

Met His Val Arg Gly Leu Leu Glu Pro Leu Gly Leu Glu Cys Thr Phe

100 105 110
Ile Asp Asp Ile Ser Ala Tyr His Lys Phe Leu Gly Glu Val His Cys
115 120 125
Gly Thr Asn Val Arg Arg Lys Pro Phe Thr Phe Lys Trp Trp His Met
130 135 140
Val Pro
145

<210> 997
<211> 123
<212> PRT
<213> Homo sapiens

<400> 997
Leu Thr Gln Lys Ala Thr Leu Leu Phe Leu Val Lys Met Ala Gly Lys
1 5 10 15
Gln Ala Val Ser Ala Ser Gly Lys Trp Leu Asp Gly Ile Arg Lys Trp
20 25 30
Tyr Tyr Asn Ala Ala Gly Phe Asn Lys Leu Gly Leu Met Arg Asp Asp
35 40 45
Thr Ile Tyr Glu Asp Glu Asp Val Lys Glu Ala Ile Arg Arg Leu Pro
50 55 60
Glu Asn Leu Tyr Asn Asp Arg Met Phe Arg Ile Lys Arg Ala Leu Asp
65 70 75 80
Leu Asn Leu Lys His Gln Ile Leu Pro Lys Glu Gln Trp Thr Lys Tyr
85 90 95
Glu Glu Glu Asn Phe Tyr Leu Glu Pro Tyr Leu Lys Glu Val Ile Arg
100 105 110
Glu Arg Lys Glu Arg Glu Glu Trp Ala Lys Lys
115 120

<210> 998
<211> 762
<212> PRT
<213> Homo sapiens

<400> 998

His Gly Leu Thr Arg Asp Ser Ser Glu Gln Gly Arg Thr Gly Asp Thr
 1 5 10 15
 Leu Gly Arg Pro Ser Ala Cys Met Asp Ala Leu Lys Pro Pro Cys Leu
 20 25 30
 Trp Arg Asn His Glu Arg Gly Lys Lys Asp Arg Asp Ser Cys Gly Arg
 35 40 45
 Lys Asn Ser Glu Pro Gly Ser Pro His Ser Leu Glu Ala Leu Arg Asp
 50 55 60
 Ala Ala Pro Ser Gln Gly Leu Asn Phe Leu Leu Leu Phe Thr Lys Met
 65 70 75 80
 Leu Phe Ile Phe Asn Phe Leu Phe Ser Pro Leu Pro Thr Pro Ala Leu
 85 90 95
 Ile Cys Ile Leu Thr Phe Gly Ala Ala Ile Phe Leu Trp Leu Ile Thr
 100 105 110
 Arg Pro Gln Pro Val Leu Pro Leu Leu Asp Leu Asn Asn Gln Ser Val
 115 120 125
 Gly Ile Glu Gly Gly Ala Arg Lys Gly Val Ser Gln Lys Asn Asn Asp
 130 135 140
 Leu Thr Ser Cys Cys Phe Ser Asp Ala Lys Thr Met Tyr Glu Val Phe
 145 150 155 160
 Gln Arg Gly Leu Ala Val Ser Asp Asn Gly Pro Cys Leu Gly Tyr Arg
 165 170 175
 Lys Pro Asn Gln Pro Tyr Arg Trp Leu Ser Tyr Lys Gln Val Ser Asp
 180 185 190
 Arg Ala Glu Tyr Leu Gly Ser Cys Leu Leu His Lys Gly Tyr Lys Ser
 195 200 205
 Ser Pro Asp Gln Phe Val Gly Ile Phe Ala Gln Asn Arg Pro Glu Trp
 210 215 220
 Ile Ile Ser Glu Leu Ala Cys Tyr Thr Tyr Ser Met Val Ala Val Pro
 225 230 235 240
 Leu Tyr Asp Thr Leu Gly Pro Glu Ala Ile Val His Ile Val Asn Lys
 245 250 255
 Ala Asp Ile Ala Met Val Ile Cys Asp Thr Pro Gln Lys Ala Leu Val
 260 265 270

Leu Ile Gly Asn Val Glu Lys Gly Phe Thr Pro Ser Leu Lys Val Ile
275 280 285

Ile Leu Met Asp Pro Phe Asp Asp Asp Leu Lys Gln Arg Gly Glu Lys
290 295 300

Ser Gly Ile Glu Ile Leu Ser Leu Tyr Asp Ala Glu Asn Leu Gly Lys
305 310 315 320

Glu His Phe Arg Lys Pro Val Pro Pro Ser Pro Glu Asp Leu Ser Val
325 330 335

Ile Cys Phe Thr Ser Gly Thr Thr Gly Asp Pro Lys Gly Ala Met Ile
340 345 350

Thr His Gln Asn Ile Val Ser Asn Ala Ala Ala Phe Leu Lys Cys Val
355 360 365

Glu His Ala Tyr Glu Pro Thr Pro Asp Asp Val Ala Ile Ser Tyr Leu
370 375 380

Pro Leu Ala His Met Phe Glu Arg Ile Val Gln Ala Val Val Tyr Ser
385 390 395 400

Cys Gly Ala Arg Val Gly Phe Phe Gln Gly Asp Ile Arg Leu Leu Ala
405 410 415

Asp Asp Met Lys Thr Leu Lys Pro Thr Leu Phe Pro Ala Val Pro Arg
420 425 430

Leu Leu Asn Arg Ile Tyr Asp Lys Val Gln Asn Glu Ala Lys Thr Pro
435 440 445

Leu Lys Lys Phe Leu Leu Lys Leu Ala Val Ser Ser Lys Phe Lys Glu
450 455 460

Leu Gln Lys Gly Ile Ile Arg His Asp Ser Phe Trp Asp Lys Leu Ile
465 470 475 480

Phe Ala Lys Ile Gln Asp Ser Leu Gly Gly Arg Val Arg Val Ile Val
485 490 495

Thr Gly Ala Ala Pro Met Ser Thr Ser Val Met Thr Phe Phe Arg Ala
500 505 510

Ala Met Gly Cys Gln Val Tyr Glu Ala Tyr Gly Gln Thr Glu Cys Thr
515 520 525

Gly Gly Cys Thr Phe Thr Leu Pro Gly Asp Trp Thr Ser Gly His Val
530 535 540

Gly Val Pro Leu Ala Cys Asn Tyr Val Lys Leu Glu Asp Val Ala Asp
545 550 555 560

Met Asn Tyr Phe Thr Val Asn Asn Glu Gly Glu Val Cys Ile Lys Gly
565 570 575

Thr Asn Val Phe Lys Gly Tyr Leu Lys Asp Pro Glu Lys Thr Gln Glu
580 585 590

Ala Leu Asp Ser Asp Gly Trp Leu His Thr Gly Asp Ile Gly Arg Trp
595 600 605

Leu Pro Asn Gly Thr Leu Lys Ile Ile Asp Arg Lys Lys Asn Ile Phe
610 615 620

Lys Leu Ala Gln Gly Glu Tyr Ile Ala Pro Glu Lys Ile Glu Asn Ile
625 630 635 640

Tyr Asn Arg Ser Gln Pro Val Leu Gln Ile Phe Val His Gly Glu Ser
645 650 655

Leu Arg Ser Ser Leu Val Gly Val Val Val Pro Asp Thr Asp Val Leu
660 665 670

Pro Ser Phe Ala Ala Lys Leu Gly Val Lys Gly Ser Phe Glu Glu Leu
675 680 685

Cys Gln Asn Gln Val Val Arg Glu Ala Ile Leu Glu Asp Leu Gln Lys
690 695 700

Ile Gly Lys Glu Ser Gly Leu Lys Thr Phe Glu Gln Val Lys Ala Ile
705 710 715 720

Phe Leu His Pro Glu Pro Phe Ser Ile Glu Asn Gly Leu Leu Thr Pro
725 730 735

Thr Leu Lys Ala Lys Arg Gly Glu Leu Ser Lys Tyr Phe Arg Thr Gln
740 745 750

Ile Asp Ser Leu Tyr Glu His Ile Gln Asp
755 760

<210> 999

<211> 130

<212> PRT

<213> Homo sapiens

<400> 999

Thr Asn Val Asp Lys Leu Val Lys Asp Ile Tyr Gly Gly Asp Tyr Glu

```

      1             5             10             15
Arg Phe Gly Leu Gln Gly Ser Ala Val Ala Ser Ser Phe Gly Asn Met
      20             25             30
Met Ser Lys Glu Lys Arg Asp Ser Ile Ser Lys Glu Asp Leu Ala Arg
      35             40             45
Ala Thr Leu Val Thr Ile Thr Asn Asn Ile Gly Ser Ile Ala Arg Met
      50             55             60
Cys Ala Leu Asn Glu Asn Ile Asp Arg Val Val Phe Val Gly Asn Phe
      65             70             75             80
Leu Arg Ile Asn Met Val Ser Met Lys Leu Leu Ala Tyr Ala Met Asp
      85             90             95
Phe Trp Ser Lys Gly Gln Leu Lys Ala Leu Phe Leu Glu His Glu Gly
      100            105            110
Tyr Phe Gly Ala Val Gly Ala Leu Leu Glu Leu Phe Lys Met Thr Asp
      115            120            125
Asp Lys
      130

```

<210> 1000

<211> 270

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1000

```

Gln Gln Asn Glu Ala Lys Ile Lys Gly Val Ser Lys Gly Arg Asn Ile
  1             5             10             15

```

```

Cys Val Val Cys Cys Gln His Lys Met Glu Glu Leu Lys Glu Gly Leu
      20             25             30

```

```

Arg Gln Arg Asp Glu Leu Ile Glu Glu Lys Gln Arg Met Gln Gln Lys

```

```

          35              40              45
Ile Asp Thr Met Thr Lys Glu Val Phe Asp Leu Gln Xaa Thr Leu Leu
   50              55              60
Trp Lys Asp Lys Lys Ile Xaa Lys His Gly Leu Val Ile Ile Pro Asp
   65              70              75              80
Gly Thr Pro Asn Gly Asp Val Ser His Glu Pro Val Ala Gly Ala Ile
          85              90              95
Thr Val Val Ser Gln Glu Ala Ala Gln Val Leu Glu Ser Ala Gly Glu
          100              105              110
Gly Pro Leu Asp Val Arg Leu Arg Lys Leu Ala Gly Glu Lys Glu Glu
          115              120              125
Leu Leu Ser Gln Ile Arg Lys Leu Lys Leu Gln Leu Glu Glu Glu Arg
          130              135              140
Gln Lys Cys Ser Arg Asn Asp Gly Thr Val Gly Asp Leu Ala Gly Leu
          145              150              155              160
Gln Asn Gly Ser Asp Leu Gln Phe Ile Glu Met Gln Arg Asp Ala Asn
          165              170              175
Arg Gln Ile Ser Glu Tyr Lys Phe Lys Leu Ser Lys Ala Glu Gln Asp
          180              185              190
Ile Thr Thr Leu Glu Gln Ser Ile Ser Arg Leu Glu Gly Gln Val Leu
          195              200              205
Arg Tyr Lys Thr Ala Ala Glu Asn Ala Glu Lys Val Glu Asp Glu Leu
          210              215              220
Lys Ala Glu Lys Arg Lys Leu Gln Arg Glu Leu Arg Thr Ala Leu Asp
          225              230              235              240
Lys Ile Glu Glu Met Glu Met Thr Asn Ser His Leu Ala Lys Arg Leu
          245              250              255
Glu Lys Met Lys Ala Asn Arg Thr Ala Leu Leu Ala Gln Gln
          260              265              270

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<210> 1001

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1001

Leu His Ser Gln Val Phe Pro Ala Leu Thr Pro Lys Arg Trp Thr Gln
1 5 10 15

Val Arg Arg Gly Thr Ala Thr Val Gly Gly Met Ala Ile Leu Gln Val
20 25 30

Thr Ala Gly His Pro Leu Ala Met Ala Gln Gly Pro Ala Gly His Pro
35 40 45

Pro Thr Met Ala Gln Gly Pro Ala Gly His Pro Pro Thr Met Val Gln
50 55 60

Gly Pro Ala Gly His Pro Leu Ala Met Ala Gln Gly Pro Ala Gly His
65 70 75 80

Pro Pro Thr Met Val Gln Gly Pro Ala Gly Leu Pro Leu Ala Met Ala
85 90 95

Gln Val Thr His Pro Leu Val His Ile Thr Glu Glu Val Xaa Xaa Asn
100 105 110

Arg Thr Gln Asp Gly Lys Pro Glu Arg Asn Cys Pro
115 120

<210> 1002

<211> 647

<212> PRT

<213> Homo sapiens

<400> 1002

Thr Ile Gln Ile Val Asn Met Gly Arg Arg Ser Thr Ser Ser Thr Lys
1 5 10 15

Ser Gly Lys Phe Met Asn Pro Thr Asp Gln Ala Arg Lys Glu Ala Arg
20 25 30

Lys Arg Glu Leu Lys Lys Asn Lys Lys Gln Arg Met Met Val Arg Ala
35 40 45

Ala Val Leu Lys Met Lys Asp Pro Lys Gln Ile Ile Arg Asp Met Glu
 50 55 60
 Lys Leu Asp Glu Met Glu Phe Asn Pro Val Gln Gln Pro Gln Leu Asn
 65 70 75 80
 Glu Lys Val Leu Lys Asp Lys Arg Lys Lys Leu Arg Glu Thr Phe Glu
 85 90 95
 Arg Ile Leu Arg Leu Tyr Glu Lys Glu Asn Pro Asp Ile Tyr Lys Glu
 100 105 110
 Leu Arg Lys Leu Glu Val Glu Tyr Glu Gln Lys Arg Ala Gln Leu Ser
 115 120 125
 Gln Tyr Phe Asp Ala Val Lys Asn Ala Gln His Val Glu Val Glu Ser
 130 135 140
 Ile Pro Leu Pro Asp Met Pro His Ala Pro Ser Asn Ile Leu Ile Gln
 145 150 155 160
 Asp Ile Pro Leu Pro Gly Ala Gln Pro Pro Ser Ile Leu Lys Lys Thr
 165 170 175
 Ser Ala Tyr Gly Pro Pro Thr Arg Ala Val Ser Ile Leu Pro Leu Leu
 180 185 190
 Gly His Gly Val Pro Arg Leu Pro Pro Gly Arg Lys Pro Pro Gly Pro
 195 200 205
 Pro Pro Gly Pro Pro Pro Pro Gln Val Val Gln Met Tyr Gly Arg Lys
 210 215 220
 Val Gly Phe Ala Leu Asp Leu Pro Pro Arg Arg Arg Asp Glu Asp Met
 225 230 235 240
 Leu Tyr Ser Pro Glu Leu Ala Gln Arg Gly His Asp Asp Asp Val Ser
 245 250 255
 Ser Thr Ser Glu Asp Asp Gly Tyr Pro Glu Asp Met Asp Gln Asp Lys
 260 265 270
 His Asp Asp Ser Thr Asp Asp Ser Asp Thr Asp Lys Ser Asp Gly Glu
 275 280 285
 Ser Asp Gly Asp Glu Phe Val His Arg Asp Asn Gly Glu Arg Asp Asn
 290 295 300
 Asn Glu Glu Lys Lys Ser Gly Leu Ser Val Arg Phe Ala Asp Met Pro
 305 310 315 320

Gly Lys Ser Arg Lys Lys Lys Lys Asn Met Lys Glu Leu Thr Pro Leu
 325 330 335
 Gln Ala Met Met Leu Arg Met Ala Gly Gln Glu Ile Pro Glu Glu Gly
 340 345 350
 Arg Glu Val Glu Glu Phe Ser Glu Asp Asp Asp Glu Asp Asp Ser Asp
 355 360 365
 Asp Ser Glu Ala Glu Lys Gln Ser Gln Lys Gln His Lys Glu Glu Ser
 370 375 380
 His Ser Asp Gly Thr Ser Thr Ala Ser Ser Gln Gln Ala Pro Pro
 385 390 395 400
 Gln Ser Val Pro Pro Ser Gln Ile Gln Ala Pro Pro Met Pro Gly Pro
 405 410 415
 Pro Pro Leu Gly Pro Pro Pro Ala Pro Pro Leu Arg Pro Pro Gly Pro
 420 425 430
 Pro Thr Gly Leu Pro Pro Gly Pro Pro Pro Gly Ala Pro Pro Phe Leu
 435 440 445
 Arg Pro Pro Gly Met Pro Gly Leu Arg Gly Pro Leu Pro Arg Leu Leu
 450 455 460
 Pro Pro Gly Pro Pro Pro Gly Arg Pro Pro Gly Pro Pro Pro Gly Pro
 465 470 475 480
 Pro Pro Gly Leu Pro Pro Gly Pro Pro Pro Arg Gly Pro Pro Pro Arg
 485 490 495
 Leu Pro Pro Pro Ala Pro Pro Gly Ile Pro Pro Pro Arg Pro Gly Met
 500 505 510
 Met Arg Pro Pro Leu Val Pro Pro Leu Gly Pro Ala Pro Pro Gly Leu
 515 520 525
 Phe Pro Pro Ala Pro Leu Pro Asn Pro Gly Val Leu Ser Ala Pro Pro
 530 535 540
 Asn Leu Ile Gln Arg Pro Lys Ala Asp Asp Thr Ser Ala Ala Thr Ile
 545 550 555 560
 Glu Lys Lys Ala Thr Ala Thr Ile Ser Ala Lys Pro Gln Ile Thr Asn
 565 570 575
 Pro Lys Ala Glu Ile Thr Arg Phe Val Pro Thr Ala Leu Arg Val Arg
 580 585 590

Arg Glu Asn Lys Gly Ala Thr Ala Ala Pro Gln Arg Lys Ser Glu Asp
 595 600 605

Asp Ser Ala Val Pro Leu Ala Lys Ala Ala Pro Lys Ser Gly Pro Ser
 610 615 620

Val Pro Val Ser Val Gln Thr Lys Asp Asp Val Tyr Glu Ala Phe Met
 625 630 635 640

Lys Glu Met Glu Gly Leu Leu
 645

<210> 1003

<211> 342

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (251)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (253)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1003

Leu Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys
 1 5 10 15

Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly
 20 25 30

Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
 35 40 45

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
 50 55 60

Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
 65 70 75 80

Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn
85 90 95

Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Xaa Val Glu Pro
100 105 110

Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu
115 120 125

Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
130 135 140

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
145 150 155 160

Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
165 170 175

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn
180 185 190

Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp
195 200 205

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro
210 215 220

Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu
225 230 235 240

Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Xaa Glu Xaa Thr Lys Asn
245 250 255

Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
260 265 270

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
275 280 285

Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
290 295 300

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
305 310 315 320

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
325 330 335

Ser Leu Ser Pro Gly Lys
340

<210> 1004

<211> 544

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (531)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1004

Arg Leu Pro Pro Ala Ser Ala Thr Ala Arg Arg Pro Arg Pro Ser Ser
1 5 10 15

Ala Leu Cys Cys Pro Arg Ser Arg Arg Arg Xaa Gly Gln Arg Pro Gly
20 25 30

Ala Ala Gln Gly Cys His Pro Arg Arg Phe Pro Lys Lys Ala Ser Arg
35 40 45

Thr Ala Arg Ile Ala Ser Asp Glu Glu Ile Gln Gly Thr Lys Asp Ala
50 55 60

Val Ile Gln Asp Leu Glu Arg Lys Leu Arg Phe Lys Glu Asp Leu Leu
65 70 75 80

Asn Asn Gly Gln Pro Arg Leu Thr Tyr Glu Glu Arg Met Ala Arg Arg
85 90 95

Leu Leu Gly Ala Asp Ser Ala Thr Val Phe Asn Ile Gln Glu Pro Glu
100 105 110

Glu Glu Thr Ala Asn Gln Glu Tyr Lys Val Ser Ser Cys Glu Gln Arg
115 120 125

Leu Ile Ser Glu Ile Glu Tyr Arg Leu Glu Arg Ser Pro Val Asp Glu
130 135 140

Ser Gly Asp Glu Val Gln Tyr Gly Asp Val Pro Val Glu Asn Gly Met
145 150 155 160

Ala Pro Phe Phe Glu Met Lys Leu Lys His Tyr Lys Ile Phe Glu Gly
165 170 175

Met Pro Val Thr Phe Thr Cys Arg Val Ala Gly Asn Pro Lys Pro Lys
180 185 190

Ile Tyr Trp Phe Lys Asp Gly Lys Gln Ile Ser Pro Lys Ser Asp His
195 200 205

Tyr Thr Ile Gln Arg Asp Leu Asp Gly Thr Cys Ser Leu His Thr Thr
210 215 220

Ala Ser Thr Leu Asp Asp Asp Gly Asn Tyr Thr Ile Met Ala Ala Asn
225 230 235 240

Pro Gln Gly Arg Ile Ser Cys Thr Gly Arg Leu Met Val Gln Ala Val
245 250 255

Asn Gln Arg Gly Arg Ser Pro Arg Ser Pro Ser Gly His Pro His Val
260 265 270

Arg Arg Pro Arg Ser Arg Ser Arg Asp Ser Gly Asp Glu Asn Glu Pro
275 280 285

Ile Gln Glu Arg Phe Phe Arg Pro His Phe Leu Gln Ala Pro Gly Asp
290 295 300

Leu Thr Val Gln Glu Gly Lys Leu Cys Arg Met Asp Cys Lys Val Ser
305 310 315 320

Gly Leu Pro Thr Pro Asp Leu Ser Trp Gln Leu Asp Gly Lys Pro Val
325 330 335

Arg Pro Asp Ser Ala His Lys Met Leu Val Arg Glu Asn Gly Val His
340 345 350

Ser Leu Ile Ile Glu Pro Val Thr Ser Arg Asp Ala Gly Ile Tyr Thr
355 360 365

Cys Ile Ala Thr Asn Arg Ala Gly Gln Asn Ser Phe Ser Leu Glu Leu
370 375 380

Val Val Ala Ala Lys Glu Ala His Lys Pro Pro Val Phe Ile Glu Lys
385 390 395 400

Leu Gln Asn Thr Gly Val Ala Asp Gly Tyr Pro Val Arg Leu Glu Cys
405 410 415

Arg Val Leu Gly Val Pro Pro Pro Gln Ile Phe Trp Lys Lys Glu Asn
420 425 430

Glu Ser Leu Thr His Ser Thr Asp Arg Val Ser Met His Gln Asp Asn
435 440 445

His Gly Tyr Ile Cys Leu Leu Ile Gln Gly Ala Thr Lys Glu Asp Ala
 450 455 460
 Gly Trp Tyr Thr Val Ser Ala Lys Asn Glu Ala Gly Ile Val Ser Cys
 465 470 475 480
 Thr Ala Arg Leu Asp Val Tyr Thr Gln Trp His Gln Gln Ser Gln Ser
 485 490 495
 Thr Lys Pro Lys Lys Val Arg Pro Ser Ala Ser Arg Tyr Ala Ala Leu
 500 505 510
 Ser Asp Gln Gly Leu Asp Ile Lys Ala Ala Phe Gln Pro Glu Ala Asn
 515 520 525
 Pro Ser Xaa Leu Thr Leu Asn Thr Ala Leu Val Glu Ser Glu Asp Leu
 530 535 540

<210> 1005

<211> 194

<212> PRT

<213> Homo sapiens

<400> 1005

Ala Ala Pro Gln Pro Thr Pro Glu Glu Arg Pro Ala Gly Val Arg Arg
 1 5 10 15
 Ala Gln Glu Leu Gly Met Ser Tyr Lys Pro Ile Ala Pro Ala Pro Ser
 20 25 30
 Ser Thr Pro Gly Ser Ser Thr Pro Gly Pro Gly Thr Pro Val Pro Thr
 35 40 45
 Gly Ser Val Pro Ser Pro Ser Gly Ser Val Pro Gly Ala Gly Ala Pro
 50 55 60
 Phe Arg Pro Leu Phe Asn Asp Phe Gly Pro Pro Ser Met Gly Tyr Val
 65 70 75 80
 Gln Ala Met Lys Pro Pro Gly Ala Gln Gly Ser Gln Ser Thr Tyr Thr
 85 90 95
 Asp Leu Leu Ser Val Ile Glu Glu Met Gly Lys Glu Ile Arg Pro Thr
 100 105 110
 Tyr Ala Gly Ser Lys Ser Ala Met Glu Arg Leu Lys Arg Gly Ser Ala

115 120 125
Ser Ala Ser Ala Ser Gly Pro Ile Arg Pro Leu Gln Ser Thr Arg Phe
130 135 140
Ser Leu Ala Phe Ile Pro Ser Cys Thr Asn His Pro Gly Leu Pro Val
145 150 155 160
Leu Cys Pro Leu Val Gly Pro Leu Gln Glu Pro Arg Ser Gly Pro Pro
165 170 175
Gly Gly Ser Thr Lys Asp Thr Pro Pro Gln Gln Glu Leu Ala Ala Arg
180 185 190
Ser Pro

<210> 1006

<211> 312

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (220)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (222)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (231)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (244)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (298)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (299)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (309)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1006

Ala	Val	Arg	Leu	Pro	Ala	Ala	Tyr	Ile	Lys	Ala	Pro	Gly	His	Ala	Glu
1				5					10					15	
Pro	Ser	Ser	Arg	Thr	Arg	Pro	Thr	Thr	Met	Arg	Ser	Cys	Leu	Trp	Arg
			20					25					30		
Cys	Arg	His	Leu	Ser	Gln	Gly	Val	Gln	Trp	Ser	Leu	Leu	Leu	Ala	Val
	35					40					45				
Leu	Val	Phe	Phe	Leu	Phe	Ala	Leu	Pro	Ser	Phe	Ile	Lys	Glu	Pro	Gln
	50				55						60				
Thr	Lys	Pro	Ser	Arg	His	Gln	Arg	Thr	Glu	Asn	Ile	Lys	Glu	Arg	Ser
65				70					75					80	
Leu	Gln	Ser	Leu	Ala	Lys	Pro	Lys	Ser	Gln	Ala	Pro	Thr	Arg	Ala	Arg
			85					90						95	
Arg	Thr	Thr	Ile	Tyr	Ala	Glu	Pro	Xaa	Pro	Glu	Asn	Asn	Ala	Leu	Asn
	100						105						110		
Thr	Gln	Thr	Gln	Pro	Lys	Ala	His	Thr	Thr	Gly	Asp	Arg	Gly	Lys	Glu
	115					120						125			
Ala	Asn	Gln	Ala	Pro	Pro	Glu	Gln	Asp	Lys	Val	Pro	His	Thr	Ala	
	130					135				140					
Gln	Arg	Ala	Ala	Trp	Lys	Ser	Pro	Glu	Lys	Glu	Lys	Thr	Met	Val	Asn
145				150					155					160	
Thr	Leu	Ser	Pro	Arg	Gly	Gln	Asp	Ala	Gly	Met	Ala	Ser	Gly	Arg	Thr
			165					170					175		
Glu	Ala	Gln	Ser	Trp	Lys	Ser	Gln	Asp	Thr	Lys	Thr	Thr	Gln	Gly	Asn
	180						185						190		
Gly	Gly	Gln	Thr	Arg	Lys	Leu	Thr	Ala	Ser	Arg	Thr	Val	Ser	Glu	Lys

195 200 205
 His Gln Gly Lys Ala Ala Thr Thr Ala Lys Thr Xaa Ile Xaa Lys Ser
 210 215 220
 Gln His Arg Met Leu Ala Xaa Thr Gly Ala Val Ser Thr Arg Thr Arg
 225 230 235 240
 Gln Lys Gly Xaa Thr Thr Ala Val Ile Pro Pro Lys Glu Lys Lys Pro
 245 250 255
 Gln Ala Thr Pro Pro Ala Pro Phe Gln Ser Pro Thr Thr Gln Arg
 260 265 270
 Asn Gln Arg Leu Lys Gly Gly Asn Phe Lys Ser Glu Pro Arg Trp Asp
 275 280 285
 Phe Glu Glu Lys Tyr Lys Leu Arg Asn Xaa Xaa Ala Ser Asp Asp Leu
 290 295 300
 Ala Leu Thr Leu Xaa Arg Ser Lys
 305 310

 <210> 1007
 <211> 365
 <212> PRT
 <213> Homo sapiens

 <400> 1007
 Pro Glu Pro Ala Met Ala Leu Pro His Arg Arg Leu Ser Pro Trp Leu
 1 5 10 15
 Arg Gln Arg His Gln Gly Pro Gly Gln Val Cys Gly Pro Gln Ala Ala
 20 25 30
 Glu His Asp Arg Arg Asp Ala Gly Cys Thr Ala Asp Leu Leu Val Gly
 35 40 45
 Arg Ala Met Thr Phe His Gly His Gly Phe Leu Arg Leu Ala Leu Ser
 50 55 60
 Asn Val Ala Pro Leu Thr Gly Asn Val Tyr Ser Gly Phe Gly Phe His
 65 70 75 80
 Ser Ala Gln Asp Ser Ala Leu Leu Tyr Tyr Arg Ala Ser Pro Asp Gly
 85 90 95
 Leu Cys Gln Val Ser Leu Gln Gln Gly Arg Val Ser Leu Gln Leu Leu
 100 105 110

Arg Thr Glu Val Lys Thr Gln Ala Gly Phe Ala Asp Gly Ala Pro His
 115 120 125
 Tyr Val Ala Phe Tyr Ser Asn Ala Thr Gly Val Trp Leu Tyr Val Asp
 130 135 140
 Asp Gln Leu Gln Gln Met Lys Pro His Arg Gly Pro Pro Pro Glu Leu
 145 150 155 160
 Gln Pro Gln Pro Glu Gly Pro Pro Arg Leu Leu Leu Gly Gly Leu Pro
 165 170 175
 Glu Ser Gly Thr Ile Tyr Asn Phe Ser Gly Cys Ile Ser Asn Val Phe
 180 185 190
 Val Gln Arg Leu Leu Gly Pro Gln Arg Val Phe Asp Leu Gln Gln Asn
 195 200 205
 Leu Gly Ser Val Asn Val Ser Thr Gly Cys Ala Pro Ala Leu Gln Ala
 210 215 220
 Gln Thr Pro Gly Leu Gly Pro Arg Gly Leu Gln Ala Thr Ala Arg Lys
 225 230 235 240
 Ala Ser Arg Arg Ser Arg Gln Pro Ala Arg His Pro Ala Cys Met Leu
 245 250 255
 Pro Pro His Leu Arg Thr Thr Arg Asp Ser Tyr Gln Phe Gly Gly Ser
 260 265 270
 Leu Ser Ser His Leu Glu Phe Val Gly Ile Leu Ala Arg His Arg Asn
 275 280 285
 Trp Pro Ser Leu Ser Met His Val Leu Pro Arg Ser Ser Arg Gly Leu
 290 295 300
 Leu Leu Phe Thr Ala Arg Leu Arg Pro Gly Ser Pro Ser Leu Ala Leu
 305 310 315 320
 Phe Leu Ser Asn Gly His Phe Val Ala Gln Met Glu Gly Leu Gly Thr
 325 330 335
 Arg Leu Arg Ala Gln Ser Arg Gln Arg Ser Arg Pro Gly Ala Gly Thr
 340 345 350
 Arg Ser Pro Cys Ala Gly Arg Arg Thr Gly Ser Cys Trp
 355 360 365

<210> 1008
<211> 196
<212> PRT
<213> Homo sapiens

<400> 1008

Ala Thr Pro Pro Pro Pro Glu Gln Ala Met Val Ala Ala Thr Val Ala
1 5 10 15
Ala Ala Trp Leu Leu Leu Trp Ala Ala Ala Cys Ala Gln Gln Glu Gln
20 25 30
Asp Phe Tyr Asp Phe Lys Ala Val Asn Ile Arg Gly Lys Leu Val Ser
35 40 45
Leu Glu Lys Tyr Arg Gly Ser Val Ser Leu Val Val Asn Val Ala Ser
50 55 60
Glu Cys Gly Phe Thr Asp Gln His Tyr Arg Ala Leu Gln Gln Leu Gln
65 70 75 80
Arg Asp Leu Gly Pro His His Phe Asn Val Leu Ala Phe Pro Cys Asn
85 90 95
Gln Phe Gly Gln Gln Glu Pro Asp Ser Asn Lys Glu Ile Glu Ser Phe
100 105 110
Ala Arg Arg Thr Tyr Ser Val Ser Phe Pro Met Phe Ser Lys Ile Ala
115 120 125
Val Thr Gly Thr Gly Ala His Pro Ala Phe Lys Tyr Leu Ala Gln Thr
130 135 140
Ser Gly Lys Glu Pro Thr Trp Asn Phe Trp Lys Tyr Leu Val Ala Pro
145 150 155 160
Asp Gly Lys Val Val Gly Ala Trp Asp Pro Thr Val Ser Val Glu Glu
165 170 175
Val Arg Pro Gln Ile Thr Ala Leu Val Arg Lys Leu Ile Leu Leu Lys
180 185 190
Arg Glu Asp Leu
195

<210> 1009
<211> 227
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (156)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (196)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (204)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (210)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (212)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (215)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (220)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (222)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1009
Asp Pro Arg Val Arg Ala Ala Ala Ala Gly Pro Met Ala Asp Thr Gln
1 5 10 15
Tyr Ile Leu Pro Asn Asp Ile Gly Val Ser Ser Leu Asp Cys Arg Glu
20 25 30
Ala Phe Arg Leu Leu Ser Pro Thr Glu Arg Leu Tyr Ala Tyr His Leu
35 40 45

Ser Arg Ala Ala Trp Tyr Gly Gly Leu Ala Val Leu Leu Gln Thr Ser
 50 55 60
 Pro Glu Ala Pro Tyr Ile Tyr Ala Leu Leu Ser Arg Leu Phe Arg Ala
 65 70 75 80
 Gln Asp Pro Asp Gln Leu Arg Gln His Ala Leu Ala Glu Gly Leu Thr
 85 90 95
 Glu Glu Glu Tyr Gln Ala Phe Leu Val Tyr Ala Ala Gly Val Tyr Ser
 100 105 110
 Asn Met Gly Asn Tyr Lys Ser Phe Gly Asp Thr Lys Phe Val Pro Asn
 115 120 125
 Leu Pro Lys Glu Lys Leu Glu Arg Val Ile Leu Gly Ser Glu Ala Ala
 130 135 140
 Gln Gln His Pro Glu Glu Val Arg Gly Leu Trp Xaa Thr Cys Gly Glu
 145 150 155 160
 Leu Met Phe Ser Leu Glu Pro Arg Leu Arg His Leu Gly Leu Gly Lys
 165 170 175
 Glu Gly Ile Thr Thr Tyr Phe Ser Gly Asn Cys Thr Met Glu Asp Ala
 180 185 190
 Lys Leu Ala Xaa Ile Ser Gly Leu Thr Glu Pro Xaa Cys Leu Gln Gln
 195 200 205
 Pro Xaa Leu Xaa Arg Ser Xaa Trp Glu Lys Gly Xaa Pro Xaa Thr Lys
 210 215 220
 Val Arg Val
 225

<210> 1010

<211> 344

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1010

Asp Pro Ala Ser Asn Met Trp Gln Leu Trp Ala Ser Leu Cys Cys Leu
 1 5 10 15

Leu Val Leu Ala Asn Ala Arg Ser Arg Pro Ser Phe His Pro Xaa Ser
 20 25 30
 Asp Glu Leu Val Asn Tyr Val Asn Lys Arg Asn Thr Thr Trp Gln Ala
 35 40 45
 Gly His Asn Phe Tyr Asn Val Asp Met Ser Tyr Leu Lys Arg Leu Cys
 50 55 60
 Gly Thr Phe Leu Gly Gly Pro Lys Pro Pro Gln Arg Val Met Phe Thr
 65 70 75 80
 Glu Asp Leu Lys Leu Pro Ala Ser Phe Asp Ala Arg Glu Gln Trp Pro
 85 90 95
 Gln Cys Pro Thr Ile Lys Glu Ile Arg Asp Gln Gly Ser Cys Gly Ser
 100 105 110
 Cys Trp Ala Phe Gly Ala Val Glu Ala Ile Ser Asp Arg Ile Cys Ile
 115 120 125
 His Thr Asn Ala His Val Ser Val Glu Val Ser Ala Glu Asp Leu Leu
 130 135 140
 Thr Cys Cys Gly Ser Met Cys Gly Asp Gly Cys Asn Gly Gly Tyr Pro
 145 150 155 160
 Ala Glu Ala Trp Asn Phe Trp Thr Arg Lys Gly Leu Val Ser Gly Gly
 165 170 175
 Leu Tyr Glu Ser His Val Gly Cys Arg Pro Tyr Ser Ile Pro Pro Cys
 180 185 190
 Glu His His Val Asn Gly Ser Arg Pro Pro Cys Thr Gly Glu Gly Asp
 195 200 205
 Thr Pro Lys Cys Ser Lys Ile Cys Glu Pro Gly Tyr Ser Pro Thr Tyr
 210 215 220
 Lys Gln Asp Lys His Tyr Gly Tyr Asn Ser Tyr Ser Val Ser Asn Ser
 225 230 235 240
 Glu Lys Asp Ile Met Ala Glu Ile Tyr Lys Asn Gly Pro Val Glu Gly
 245 250 255
 Ala Phe Ser Val Tyr Ser Asp Phe Leu Leu Tyr Lys Ser Gly Val Tyr
 260 265 270
 Gln His Val Thr Gly Glu Met Met Gly Gly His Ala Ile Arg Ile Leu
 275 280 285

Gly Trp Gly Val Glu Asn Gly Thr Pro Tyr Trp Leu Val Ala Asn Ser
 290 295 300

Trp Asn Thr Asp Trp Gly Asp Asn Gly Phe Phe Lys Ile Leu Arg Gly
 305 310 315 320

Gln Asp His Cys Gly Ile Glu Ser Glu Val Val Ala Gly Ile Pro Arg
 325 330 335

Thr Asp Gln Tyr Trp Glu Lys Ile
 340

<210> 1011

<211> 384

<212> PRT

<213> Homo sapiens

<400> 1011

Ala Gly Thr Arg Gly Pro Gly Ala His Ile Arg Pro Trp His Pro Asp
 1 5 10 15

Val Ala Thr Met Leu Asn Ile Leu Ala Leu Val Tyr Arg Asp Gln Asn
 20 25 30

Lys Tyr Lys Glu Ala Ala His Leu Leu Asn Asp Ala Leu Ser Ile Arg
 35 40 45

Glu Ser Thr Leu Gly Pro Asp His Pro Ala Val Ala Ala Thr Leu Asn
 50 55 60

Asn Leu Ala Val Leu Tyr Gly Lys Arg Gly Lys Tyr Lys Glu Ala Glu
 65 70 75 80

Pro Leu Cys Gln Arg Ala Leu Glu Ile Arg Glu Lys Val Leu Gly Thr
 85 90 95

Asn His Pro Asp Val Ala Lys Gln Leu Asn Asn Leu Ala Leu Leu Cys
 100 105 110

Gln Asn Gln Gly Lys Tyr Glu Ala Val Glu Arg Tyr Tyr Gln Arg Ala
 115 120 125

Leu Ala Ile Tyr Glu Gly Gln Leu Gly Pro Asp Asn Pro Asn Val Ala
 130 135 140

Arg Thr Lys Asn Asn Leu Ala Ser Cys Tyr Leu Lys Gln Gly Lys Tyr
 145 150 155 160

Ala Glu Ala Glu Thr Leu Tyr Lys Glu Ile Leu Thr Arg Ala His Val
 165 170 175
 Gln Glu Phe Gly Ser Val Asp Asp Asp His Lys Pro Ile Trp Met His
 180 185 190
 Ala Glu Glu Arg Glu Glu Met Ser Lys Ser Arg His His Glu Gly Gly
 195 200 205
 Thr Pro Tyr Ala Glu Tyr Gly Gly Trp Tyr Lys Ala Cys Lys Val Ser
 210 215 220
 Ser Pro Thr Val Asn Thr Thr Leu Arg Asn Leu Gly Ala Leu Tyr Arg
 225 230 235 240
 Arg Gln Gly Lys Leu Glu Ala Ala Glu Thr Leu Glu Glu Cys Ala Leu
 245 250 255
 Arg Ser Arg Arg Gln Gly Thr Asp Pro Ile Ser Gln Thr Lys Val Ala
 260 265 270
 Glu Leu Leu Gly Glu Ser Asp Gly Arg Arg Thr Ser Gln Glu Gly Pro
 275 280 285
 Gly Asp Ser Val Lys Phe Glu Gly Gly Glu Asp Ala Ser Val Ala Val
 290 295 300
 Glu Trp Ser Gly Asp Gly Ser Gly Thr Leu Gln Arg Ser Gly Ser Leu
 305 310 315 320
 Gly Lys Ile Arg Asp Val Leu Arg Arg Ser Ser Glu Leu Leu Val Arg
 325 330 335
 Lys Leu Gln Gly Thr Glu Pro Arg Pro Ser Ser Ser Asn Met Lys Arg
 340 345 350
 Ala Ala Ser Leu Asn Tyr Leu Asn Gln Pro Ser Ala Ala Pro Leu Gln
 355 360 365
 Val Ser Arg Gly Leu Ser Ala Ser Thr Met Asp Leu Ser Ser Ser Ser
 370 375 380

<210> 1012

<211> 130

<212> PRT

<213> Homo sapiens

<400> 1012

Ala Asp Ala Trp Ala Trp Ser Gln Tyr Gly Ala Val Leu Gly Ser Tyr
1 5 10 15

Ser Pro Glu Pro Pro Thr Ser Ala Gly Ser Gln Ile Pro Leu Cys Ala
20 25 30

Asn Leu Val Pro Val Pro Ile Thr Asn Ala Thr Leu Asp Arg Ile Thr
35 40 45

Gly Lys Trp Phe Tyr Ile Ala Ser Ala Phe Arg Asn Glu Glu Tyr Asn
50 55 60

Lys Ser Val Gln Glu Ile Gln Ala Thr Phe Phe Tyr Phe Thr Pro Asn
65 70 75 80

Lys Thr Glu Asp Thr Ile Phe Leu Arg Glu Tyr Gln Thr Arg Gln Asn
85 90 95

Gln Cys Phe Tyr Asn Ser Ser Tyr Leu Asn Val Gln Arg Glu Asn Gly
100 105 110

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115 120 125

Val Pro
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<212> PRT

<213> Homo sapiens

<400> 1013

Lys Ile Leu Trp Pro Gly Val Val Ala His Ala Cys Asn Pro Ser Thr
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Leu Gly Gly Arg Gly Gly Arg Ile Ala
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			20					25					30		

Trp	Lys	Gly	Arg	Ile	Val	Thr	Phe	Leu	Thr	Cys	Xaa	Thr	Phe	Asp	Pro
	35						40					45			

Glu	Asp	Thr	Ser	Gln	Glu	Ile	Xaa	Met	Val	Ala	Asn	Gly	Thr	Lys	Cys
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Gly	Asp	Asn	Lys	Val	Cys	Xaa	Asn	Ala	Glu	Cys	Val	Asp	Ile	Glu	Lys
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Ala	Tyr	Lys	Ser	Thr	Asn	Cys	Ser	Ser	Lys	Cys	Lys	Gly	His	Ala	Val
				85					90					95	

Cys	Asp	His	Glu	Leu	Gln	Cys	Gln	Cys	Glu	Glu	Gly	Trp	Ile	Pro	Pro
		100					105						110		

Asp	Cys	Asp	Asp	Ser	Ser	Val	Val	Phe	His	Phe	Ser	Ile	Val	Val	Gly
	115						120					125			

Val	Leu	Phe	Pro	Met	Ala	Val	Ile	Phe	Val	Val	Val	Ala	Met	Val	Ile
	130					135					140				

Arg	His	Gln	Ser	Ser	Arg	Glu	Lys	Gln	Lys	Lys	Asp	Gln	Arg	Pro	Leu
145					150					155					160

Ser	Thr	Thr	Gly	Thr	Arg	Pro	His	Lys	Gln	Lys	Arg	Lys	Pro	Gln	Met
			165						170					175	

Val	Lys	Ala	Val	Gln	Pro	Gln	Glu	Met	Ser	Gln	Met	Lys	Pro	His	Val
			180					185					190		

Tyr Asp Leu Pro Val Glu Gly Asn Glu Pro Pro Ala Ser Phe His Lys
 195 200 205

Asp Thr Asn Ala Leu Pro Pro Thr Val Phe Lys Asp Asn Pro Met Ser
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Thr Pro Lys Asp Ser Asn Pro Lys Ala
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Val Leu Leu Leu Leu Cys Leu Tyr Arg Val Leu Xaa Pro Arg Asn Tyr
 20 25 30

Gly Gln Leu Gly Gly Gly Pro Gly Arg Arg Arg Arg Gly Glu Leu Pro
 35 40 45

Cys Asp Asp Tyr Gly Tyr Ala Pro Pro Glu Thr Glu Ile Val Pro Leu
 50 55 60

Val Leu Arg Gly His Leu Met Asp Ile Glu Cys Leu Ala Ser Asp Gly
 65 70 75 80

Met Leu Leu Val Ser Cys Cys Leu Ala Gly His Ile Cys Val Trp Asp
 85 90 95

Ala Gln Thr Gly Asp Cys Leu Thr Arg Ile Pro Arg Pro Gly Arg Gln

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100 105 110
Arg Arg Asp Ser Gly Val Gly Ser Gly Leu Glu Ala Gln Glu Ser Trp
115 120 125
Glu Arg Leu Ser Asp Gly Gly Lys Ala Gly Pro Glu Glu Pro Gly Asp
130 135 140
Ser Pro Pro Leu Arg His Arg Pro Arg Gly Pro Pro Pro Pro Ser Leu
145 150 155 160
Phe Gly Asp Gln Pro Asp Leu Thr Cys Leu Ile Asp Thr Asn Phe Ser
165 170 175
Ala Gln Xaa Arg Ser Ser Gln Pro Thr Gln Pro Glu Pro Arg His Arg
180 185 190
Ala Val Cys Gly Arg Ser Arg Asp Ser Pro Gly Tyr Asp Phe Ser Cys
195 200 205
Leu Val Gln Arg Val Tyr Gln Glu Glu Gly Leu Ala Ala Val Cys Thr
210 215 220
Pro Ala Leu Arg Pro Pro Ser Pro Gly Pro Val Leu Ser Gln Ala Pro
225 230 235 240
Glu Asp Glu Gly Gly Ser Pro Glu Lys Gly Ser Pro Ser Leu Ala Trp
245 250 255
Ala Pro Ser Ala Glu Gly Ser Ile Trp Ser Leu Glu Leu Gln Gly Asn
260 265 270
Leu Ile Val Val Gly Arg Ser Ser Gly Arg Leu Glu Val Trp Asp Ala
275 280 285
Ile Glu Gly Val Leu Cys Cys Ser Ser Glu Glu Val Ser Ser Gly Ile
290 295 300
Thr Ala Leu Val Phe Leu Asp Lys Arg Ile Val Ala Ala Arg Leu Asn
305 310 315 320
Gly Ser Leu Asp Phe Phe Ser Leu Glu Thr His Thr Ala Leu Ser Pro
325 330 335
Leu Gln Phe Arg Gly Thr Pro Gly Arg Gly Ser Ser Pro Ala Ser Pro
340 345 350
Val Tyr Ser Ser Ser Asp Thr Val Ala Cys His Leu Thr His Thr Val
355 360 365
Pro Cys Ala His Gln Lys Pro Ile Thr Ala Leu Lys Ala Ala Ala Gly

370 375 380
 Arg Leu Val Thr Gly Ser Gln Asp His Thr Leu Arg Val Phe Arg Leu
 385 390 395 400
 Glu Asp Ser Cys Cys Leu Phe Thr Leu Gln Gly His Ser Gly Ala Ile
 405 410 415
 Thr Thr Val Tyr Ile Asp Gln Thr Met Val Leu Ala Ser Gly Gly Gln
 420 425 430
 Asp Gly Ala Ile Cys Leu Trp Asp Val Leu Thr Gly Ser Arg Val Ser
 435 440 445
 His Val Phe Ala His Arg Gly Asp Val Thr Ser Leu Thr Cys Thr Thr
 450 455 460
 Ser Cys Val Ile Ser Ser Gly Leu Asp Asp Leu Ile Ser Ile Trp Asp
 465 470 475 480
 Arg Ser Thr Gly Ile Lys Phe Tyr Ser Ile Gln Gln Asp Leu Gly Cys
 485 490 495
 Gly Ala Ser Leu Gly Val Ile Ser Asp Asn Leu Leu Val Thr Gly Gly
 500 505 510
 Gln Gly Cys Val Ser Phe Trp Asp Leu Asn Tyr Gly Asp Leu Leu Gln
 515 520 525
 Thr Val Tyr Leu Gly Lys Asn Ser Glu Ala Gln Pro Ala Arg Gln Ile
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<213> Homo sapiens

<400> 1016

Lys Phe Tyr Ser Tyr Ser Val Tyr Val Ala Gln Pro Gly Leu Glu Pro
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Phe Gly Ser Ser Asp Pro Pro Ala Leu Ala Ser Gln Ser Ala Gly Ile
 20 25 30

Thr Asp Gly Ser His Arg Val Trp Pro Ile Pro Ala Ser
 35 40 45

<210> 1017

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<400> 1017

Gly Lys Val His Gly Leu Ile Pro Gln Val Lys Asn Val Phe Thr Leu
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Leu Ile Ala Val Ser Leu Tyr Leu Tyr Ile Arg Tyr Ile Ser Tyr Glu
 20 25 30

His Lys Phe Val Val Lys Val Ser Ser Val Trp Ala Met Ala His Thr
 35 40 45

Cys Asn Ser Asn Thr Leu Gly Gly Ser Gly Gly Arg Ile Ser Ser Pro
 50 55 60

Gln Glu Phe Glu Thr Ser Leu Gly Asn Lys Leu Asp Pro Met Ser Leu
 65 70 75 80

Lys Asn Val Lys Asn Ile Lys Arg Leu Ser Gln Glu Asp His Leu Ser
 85 90 95

Leu Gly Val Gln Gly Cys Ser Lys Leu
 100 105

<210> 1018

<211> 30

<212> PRT

<213> Homo sapiens

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Asn Pro Val Ser Thr Lys Asn Thr Lys Ile Ser Trp Val Trp Trp Trp
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Ala Pro Val Val Pro Ala Thr Arg Glu Ala Glu Ala Gly Val
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<210> 1019

<211> 72

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Pro Gly Trp Ser Arg Ser Pro Asp Leu Val Xaa Arg Ala Pro Arg Pro
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Pro Lys Val Leu Gly Xaa Thr Gly Val Ser His Arg Ala Arg Pro Asp
20 25 30

Ser Leu Lys Ile Glu Glu Val Leu Pro Arg Xaa Ser Asp Leu Thr Gln
35 40 45

Met His Arg Pro Cys Ser Trp Tyr Leu Phe Ser Leu Cys Trp Gly Ala
50 55 60

Val Val Pro Ser Phe Leu Gly Gly
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Xaa Gly Asp Cys Ser Glu Pro Arg Ser His His Cys Thr Pro Val Trp

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Pro Thr Glu Gln Asp Ser Ile Ser Lys Lys Lys Arg Lys Gly Asp Ser
35 40 45
Asp Leu Val Leu Leu Asn Thr Ser Phe
50 55

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<212> PRT
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Val Ala Gly Ala Tyr Asn Pro Ser Tyr Ser Gly Gly Gln Gly Arg Arg
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Ile Ala

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Gln Pro Leu Ser Pro Gly Leu Arg Val Val Tyr Gly His Thr Trp Arg
20 25 30

Phe Phe Val Val Val Phe Xaa Thr Glu Phe His Ser Cys Cys Pro Gly
35 40 45

Trp Ser Ala Met Ala Pro Ser Arg Leu Thr Ala Thr Ser Thr Ser Trp
50 55 60

Phe Lys Arg Ser Gln Ala Ser Ala Ser Gln Val Val Gly Ile Thr Gly
65 70 75 80

Ala Cys His His Thr Trp Leu Ile Leu Tyr Phe

85

90

<210> 1023

<211> 28

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Ala Glu Ile Ala Pro Leu His Ser Ser Leu Gly Asn Lys Ser Glu Thr
1 5 10 15

Leu Ser Gln Lys Lys Asn Lys Lys Pro His Lys Asn
20 25

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Lys Val Asn Ile Gly Glu Gly Xaa Arg Xaa Arg Ser Xaa Val Pro Val
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Arg Asn Ser Arg Val Asp Pro Arg Val Xaa Leu Leu Val Gln Ala Gly
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 Leu Glu Leu Ala Thr Xaa Gly Asp Pro Pro Ala Ser Ala Ser Gln Ser
 35 40 45
 Gly Gly Ile Thr Gly Val Ser His Arg Ala Gln Pro
 50 55 60

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Xaa Trp Ser Arg Thr Pro Asp Leu Arg Xaa Ser Thr His Pro Ser Leu
 20 25 30

Pro Lys Cys Trp Asp Tyr Arg Arg Glu Pro Leu Ser Pro Ala Xaa Phe
 35 40 45

Ser Val Phe Asn Ile Ile Phe Val Leu Ser Thr Thr Phe Gln Val Leu
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Xaa Val Gln

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Glu Lys Xaa Leu Lys Glu Glu Gly Lys Ala Gly Trp Gly Gly Trp Gly
1 5 10 15

Lys Glu Ala Gly Ser Ala Asp His Ser Pro Ser Met Ser Cys Phe Leu
20 25 30

Lys Met Leu Glu Leu Gly Gln Ala Trp Trp Leu Thr Pro Val Ile Pro
35 40 45

Ala Leu Trp Glu Ala Glu Ala Gly Arg Ser Leu Glu Val Arg Ser Ser
50 55 60

Arg Pro Ala Trp Pro Thr Trp
65 70

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Ala Pro Val Ile Pro Ala Thr Arg Glu Ala Glu Ala Gly Lys Ser Leu
20 25 30

Glu Pro Gly Ser Arg Lys Leu Gln Xaa Ala Lys Val Met Ser Ser Leu
35 40 45

His Ser Ser Leu Gly Asn Lys Ser Glu Asp Phe Val Ser Lys Lys Lys
50 55 60

Leu Thr Asp Phe Xaa Phe Leu Xaa
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Ser Gln Leu Leu Gly Arg Leu Arg Gln Glu Asn Cys Leu Ser Pro Xaa
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Gly Xaa Gly Cys Ser Glu Xaa Arg Ser Gly His
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Asp Met Asn Ser Leu Met Met Gly Xaa Asp Lys Ile Lys Phe Lys His
1 5 10 15

Ile Thr Pro Leu Gln Glu Gln Ser Lys Glu Val Ala Ile Arg Ile Phe
20 25 30

Gln Gly Cys Gln Phe Arg Ser Val Glu Ala Val Gln Glu Ile Thr Glu
35 40 45

Tyr Ala Lys Ser Ile Pro Gly Phe Val Asn Leu Asp Leu Asn Asp Gln
50 55 60

Val Thr Leu Leu Lys Tyr Gly Val His Glu Ile Ile Tyr Thr Met Leu
65 70 75 80

Ala Ser Leu Met Asn Lys Asp Gly Val Leu Ile Ser Glu Gly Pro Ser
85 90 95

Phe Met Thr Arg Glu Phe Leu Lys Ser Leu Arg Xaa Leu Leu Val Thr
100 105 110

Leu Trp Glu Pro Ser Leu Ser Leu Pro
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 Gly Asp Gln Asp Thr Gly Lys Glu Ala Asp Asp Gly Cys Ala Leu Gly
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Gly Xaa

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His Ala Glu Gly Ser Arg Ser Gln Gly Pro Glu Lys Ala Phe Ser Pro
 20 25 30

Ala Ser Pro Cys Ala Trp Asn Val Cys Val Thr Arg Lys Ala Pro Leu
 35 40 45

Leu Ala Ser Asp Ser Ser Ser Ser Gly Gly Ser His Ser Glu Asp Gly
 50 55 60

Asp Gln Lys Ala Ala Ser Ala Met Asp Ala Val Ser Arg Gly Pro Gly
 65 70 75 80

Arg Glu Ala Pro Arg Cys Pro Gln Trp Pro Arg Gln Lys Lys Leu Leu
 85 90 95

Ala Arg Phe Gly Phe Leu Thr Thr Gly Phe Xaa Xaa Leu Pro Cys Pro
 100 105 110

Arg Ala Lys Arg Xaa
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Lys Leu Thr Asp Glu Glu Val Asp Glu Met Ile Arg Glu Ala Asp Ile
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Asp Gly Asp Gly Gln Val Asn Tyr Glu Glu Phe Val Gln Asn Asp Asp
20 25 30
Cys Lys Met Lys Thr Tyr Phe Gln Leu Leu Phe Pro Pro Ser
35 40 45

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Thr Val Cys Ile Leu Arg Lys Leu Phe Ser His Asn Met Thr Arg Leu
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Arg Lys Phe Met Val Tyr Phe Gly Lys Asn Gln Ser Leu Gln Lys Ile
20 25 30
Gln Lys Thr Pro Leu Phe Val Ala Ala Ile Cys Ala His Trp Phe Gln
35 40 45
Tyr Pro Phe Asp Pro Ser Phe Asp Asp Val Ala Val Phe Lys Ser Tyr
50 55 60
Met Glu Arg Leu Ser Leu Arg Asn Lys Ala Thr Leu Lys Ile Leu Lys
65 70 75 80
Ala Thr Val Ser Ser Cys Gly Glu Leu Ala Leu Lys Gly Phe Phe Ser
85 90 95
Cys Cys Phe Glu Phe Asn Gly Trp Met Asp Leu Ala Glu Ala Gly Gly
100 105 110
Gly Trp Lys Met Lys Ile

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Tyr	Gly	Ile	Xaa	Ile	Thr	Cys	Xaa	Xaa	Tyr	Leu	Met	Thr	Xaa	Tyr	Gln
		20						25					30		

Xaa	Ala	Pro	Pro	Ser	Pro	Gln	Tyr	Arg	Xaa	Ile	Ile	Cys	Met	Gly	Ala
		35						40					45		

Xaa	Xaa	Asn	Gly	Leu	Pro	Leu	Xaa	Tyr	Gln	Xaa	Xaa	Leu	Xaa	Ala	Leu
		50					55					60			

Xaa Pro Asn Asp Tyr Thr
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20 25 30

Gly Trp Arg Ala Arg Arg Pro Arg Ala Arg Ser Val Asp Ala Leu Asp
35 40 45

Asp Leu Thr Pro Pro Ser Thr Ala Glu Ser Gly Ser Arg Ser Pro Thr

50 55 60
 Ser Asn Gly Gly Arg Arg Ser Arg Ala Tyr Met Pro Pro Arg Ser Arg
 65 70 75 80
 Ser Arg Asp Asp Leu Tyr Asp Gln Asp Asp Ser Arg Asp Phe Pro Arg
 85 90 95
 Ser Arg Asp Pro His Tyr Asp Asp Phe Arg Ser Arg Glu Arg Pro Pro
 100 105 110
 Ala Asp Pro Arg Ser His His His Arg Thr Arg Asp Pro Arg Asp Asn
 115 120 125
 Gly Ser Arg Ser Gly Asp Leu Pro Tyr Asp Gly Arg Leu Leu Glu Glu
 130 135 140
 Ala Val Xaa Lys Lys Gly Ser Asp Glu Arg Xaa Arg Pro His Xaa Glu
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 Xaa Xaa Glu

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Gly Cys Pro Pro Arg Ala Xaa Ser Leu Pro Gly Ser Pro Arg Cys Arg
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Xaa Arg Cys His Thr Met Ala Phe Xaa Thr Arg Gln Phe Met
 20 25 30

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Ile Met Pro Arg Ile Gln Lys Ala Tyr Xaa Val Phe Xaa Tyr Leu Val
20 25 30

Gln Asp Leu Lys Cys Leu Val Phe Ser Leu Ile Gly Leu His Phe Lys
35 40 45

Xaa Lys Pro Ser Arg Leu Xaa Ile Xaa Val Gly Xaa Gly Gly Gly Trp
50 55 60

Xaa
65

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<213> Homo sapiens

<400> 1038

Cys Pro Arg Val Arg Pro Arg Val Arg Pro Arg Val Arg Pro Arg Val
1 5 10 15

Arg Thr Pro Ile Pro Val Pro Ala Tyr Phe Arg His Ala Glu Pro Gly
20 25 30

Phe Ser Leu Lys Arg Pro Arg Gly Leu Ser Arg Ser Leu Pro Pro Pro
35 40 45

Pro Pro Ala Lys Gly Ser Ile Pro Ile Ser Arg Leu Phe Pro Pro Arg
50 55 60

Thr Pro Gly Trp His Gln Leu Gln Pro Arg Gly Cys His Ser Gly Arg
65 70 75 80

Arg Pro Arg Asp Ser Ala Glu Pro Trp Val
85 90

<210> 1039

<211> 104

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1039

Ala Ala Ala Gly Pro Gly Xaa Cys Trp Ala Phe Xaa Pro Xaa Arg Leu
 1 5 10 15

His Ala Pro Thr Ala Arg Ser Thr Tyr Ser Phe Gln Ala Arg Xaa Leu
 20 25 30

Xaa Glu Lys Glu Phe Ser Xaa Leu Ile Ser Leu Gly Thr Asp Arg Leu
 35 40 45

Leu Asp Xaa Asp Met Arg Gln Val Phe Gln Phe Xaa Pro His Pro Gly
 50 55 60

Gly Arg Cys Ser Gly Xaa Lys Asp Leu Arg Gly Val Thr Xaa Arg Leu
 65 70 75 80

Thr Glu Met Leu Pro Xaa Asn Phe Arg Ser Xaa Ala Ala Xaa Phe Leu
 85 90 95

Gly Xaa Ser Gly Ala Pro Phe Ser
 100

<210> 1040

<211> 109

<212> PRT

<213> Homo sapiens

<400> 1040

Gly Arg Trp Leu Lys Asp Gln Glu Leu Ser Pro Arg Glu Pro Val Leu
 1 5 10 15

Pro Pro Gln Lys Met Gly Pro Met Glu Lys Phe Trp Asn Lys Phe Leu
 20 25 30

Glu Asn Lys Ser Pro Trp Arg Lys Met Val His Gly Val Tyr Lys Lys

35 40 45
 Ser Ile Phe Val Phe Thr His Val Leu Val Pro Val Trp Ile Ile His
 50 55 60
 Tyr Tyr Met Lys Tyr His Val Ser Glu Lys Pro Tyr Gly Ile Val Glu
 65 70 75 80
 Lys Lys Ser Arg Ile Phe Pro Gly Asp Thr Ile Leu Glu Thr Gly Glu
 85 90 95
 Val Ile Pro Pro Met Lys Glu Phe Pro Asp Gln His His
 100 105

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 <213> Homo sapiens

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 Ala Ser Xaa His Gln Pro Ser Leu Lys Gly Thr Lys Ala Gly Ala Pro
 1 5 10 15
 Pro Arg Cys Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu
 20 25 30
 Phe Gly Thr Arg Ser Val Ser Gly Ala Asp Gly Gly Ser Ala Ala Cys
 35 40 45
 Ser Trp Lys Phe Arg Leu Gly Cys Leu Leu Gly Ala Met Glu Ser Asp
 50 55 60
 Phe Tyr Leu Arg Tyr Tyr Val Gly His Lys Gly Lys Phe Gly His Glu
 65 70 75 80
 Phe Leu Glu Phe Glu Phe Arg Pro Asp Gly Lys Leu Arg Tyr Ala Asn
 85 90 95
 Asn Ser Asn Tyr Lys Asn Asp Val Met Ile Arg Lys Glu Ala Tyr Val
 100 105 110
 His Lys Ser Val Met Glu Glu Leu Lys Arg Ile Ile Asp Asp Ser Glu
 115 120 125

Ile Thr Lys Glu Asp Asp Ala Leu Trp Pro Pro Pro Asp Arg Val Gly
 130 135 140
 Arg Gln Glu Leu Glu Ile Val Ile Gly Asp Glu His Ile Ser Phe Thr
 145 150 155 160
 Thr Ser Lys Ile Gly Ser Leu Ile Asp Val Asn Gln Ser Lys Asp Pro
 165 170 175
 Glu Gly Leu Arg Val Phe Tyr Tyr Leu Val Gln Asp Leu Lys Cys Leu
 180 185 190
 Val Phe Ser Leu Ile
 195

<210> 1042

<211> 110

<212> PRT

<213> Homo sapiens

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<400> 1042

Ala Gly Phe Gly Ser Gln Xaa Leu Phe Val Asp Cys Cys Asp Arg His
 1 5 10 15

Leu Thr Met Gln Ile Phe Val Lys Thr Leu Thr Gly Lys Thr Ile Thr
20 25 30
Leu Glu Val Glu Pro Ser Asp Thr Ile Glu Asn Val Lys Ala Lys Ile
35 40 45
Gln Asp Lys Glu Gly Ile Pro Pro Asp Gln Gln Arg Leu Ile Phe Ala
50 55 60
Gly Lys Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp Tyr Asn Ile Xaa
65 70 75 80
Lys Glu Ser Thr Leu His Leu Val Leu Arg Leu Xaa Gly Gly Met Gln
85 90 95
Ile Phe Xaa Lys Thr Leu Thr Gly Lys Thr Xaa Thr Leu Glu
100 105 110

<210> 1043

<211> 109

<212> PRT

<213> Homo sapiens

<400> 1043

Leu His Gln Pro Ala Lys Met Ala Met Gln Ala Ala Lys Arg Ala Asn
1 5 10 15
Ile Arg Leu Pro Pro Glu Val Asn Arg Ile Leu Tyr Ile Arg Asn Leu
20 25 30
Pro Tyr Lys Ile Thr Ala Glu Glu Met Tyr Asp Ile Phe Gly Lys Tyr
35 40 45
Gly Pro Ile Arg Gln Ile Arg Val Gly Asn Thr Pro Glu Thr Arg Gly
50 55 60
Thr Ala Tyr Val Val Tyr Glu Asp Ile Phe Asp Ala Lys Asn Ala Cys
65 70 75 80
Asp His Leu Ser Gly Phe Asn Val Cys Asn Arg Tyr Leu Val Val Leu
85 90 95
Tyr Tyr Asn Ala Asn Arg Ala Phe Gln Lys Met Asp Thr
100 105

<210> 1044

<211> 16

<212> PRT

<213> Homo sapiens

<400> 1044

Lys Leu Ile Gln Val Gly Lys Leu Asp Arg Thr Phe His Leu Ser Tyr
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<210> 1045

<211> 100

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<213> Homo sapiens

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<400> 1045
Ser Ser Xaa Pro Thr Pro Pro Ser Ser Cys Leu Xaa Pro Pro Gly Xaa
1 5 10 15

Arg Pro Xaa Asp Ser Thr Xaa Val Pro Ala Asn Ser Met Arg Leu Lys
20 25 30

Tyr Gln His Thr Gly Xaa Val Leu Asp Cys Xaa Phe Tyr Gly Pro Xaa
35 40 45

Xaa Ala Trp Ser Xaa Gly Leu Asp His Gln Leu Lys Met His Asp Leu
 50 55 60
 Thr Leu Ile Lys Lys Ile Ser Trp Thr His Xaa Ala Leu Xaa Asp Val
 65 70 75 80
 Leu Asn Thr Val Arg Ser Glu Leu Xaa Trp Xaa Trp Lys Leu Gly Leu
 85 90 95
 Ala Ser Xaa Pro
 100

<210> 1046

<211> 114

<212> PRT

<213> Homo sapiens

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<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1046

Phe Ile Ser Val Ser Glu Lys Ser Lys Asp Arg Gly Ser Asn Thr Ile
 1 5 10 15
 Gly Ala Arg Leu Asn Arg Val Glu Asp Lys Val Thr Gln Leu Asp Gln
 20 25 30
 Arg Leu Ala Leu Ile Thr Asp Met Leu His Gln Leu Leu Ser Leu His
 35 40 45
 Gly Gly Ser Thr Pro Glu Pro Thr Val Arg Gly Ala Pro Xaa Xaa Asn
 50 55 60
 Pro Ser Pro Ser Pro Ser Ser Gln Pro Asn Thr Gln Lys Gly Thr Ala
 65 70 75 80
 Thr Phe Pro Cys Gln Leu Leu Ser Arg Arg Glu Val Thr Val Pro Thr

Leu Trp

Leu Val Gln Pro Lys Ala Asn Pro Thr Val His Ser Cys Phe Pro Pro

50 55 60
Ser Ser Leu Arg Thr Ser Lys Pro Asn Lys Gly Asn Tyr Val Phe Trp
65 70 75 80
Asn His Tyr Phe Xaa Pro Gly Xaa Xaa Xaa Lys Cys
 85 90

<210> 1048

<211> 91

<212> PRT

<213> Homo sapiens

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<222> (7)

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<400> 1048
Arg Gly Arg Gly Lys Arg Xaa Pro Asp Xaa Lys Pro Pro Ala Leu Pro
1 5 10 15

Arg Pro Ile Xaa Asn Leu Glu Val Glu Phe Thr Lys Ile Phe Xaa Xaa
20 25 30

Asn Gly Met Gly Arg Ile Xaa Xaa Trp Glu Lys Val Cys Tyr Met Leu
35 40 45

Pro Xaa Asn Ser Gly Xaa Lys Tyr Val Lys Trp Lys Xaa Glu Ile Xaa
50 55 60

Pro Thr Trp Asp Glu Gly Cys Gly Ser Cys Thr Gly Xaa Leu Pro Lys
65 70 75 80

Arg Xaa Pro Pro Trp Ala Pro Gly Gly Met Xaa

85

90

<210> 1049

<211> 149

<212> PRT

<213> Homo sapiens

<400> 1049

Pro Gly Gln Ser Pro Glu Leu Gln Thr Met Ser Val Ser Phe Leu Ile
1 5 10 15

Phe Leu Pro Val Leu Gly Leu Pro Trp Gly Val Leu Ser Gln Val Gln
20 25 30

Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln Thr Leu Ser
35 40 45

Leu Thr Cys Ala Ile Ser Gly Asp Thr Val Ser Arg Asn Ser Ala Gly
50 55 60

Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly
65 70 75 80

Arg Thr Tyr Tyr Arg Ser Lys Trp Tyr Asn Asp Tyr Ala Val Ser Val
85 90 95

Lys Ser Arg Ile Thr Ile Asn Ala Asp Ser Thr Lys Asn Gln Phe Ser
100 105 110

Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Leu Tyr Tyr Cys
115 120 125

Ala Arg Asp Arg Gly Ser Trp Ser Asp Glu Ala Glu Gly Leu Pro Pro
130 135 140

Arg Tyr Phe Tyr Tyr
145

<210> 1050

<211> 146

<212> PRT

<213> Homo sapiens

<220>

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<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1050

Ala Gln Leu Leu Thr Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val
1 5 10 15

Ala Ala Ala Thr Ser Ala His Ser Gln Val Gln Leu Val Gln Ser Gly
20 25 30

Ala Glu Val Lys Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala
35 40 45

Ser Gly Tyr Thr Phe Thr Ser Tyr Asp Ile Asn Trp Val Arg Gln Ala
50 55 60

Thr Gly Gln Gly Leu Glu Trp Val Gly Trp Met Asn Pro Asn Ser Ala
65 70 75 80

Asn Thr Gly Tyr Ala Gln Lys Phe Gln Gly Arg Val Thr Met Thr Arg
85 90 95

Asn Thr Ser Ile Ser Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser
100 105 110

Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Xaa Arg Arg Trp Glu Leu
115 120 125

Leu Gly Met Met Trp Asp Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val
130 135 140

Thr Val
145

<210> 1051

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1051

Gly Arg Gly Ile Ser Gly Leu Leu Phe Leu Ser Ser Thr Ile Met Gly
1 5 10 15

Ser Thr Ala Ile Leu Ala Leu Leu Ala Val Leu Gln Gly Val Cys
20 25 30

Gly Glu Val Gln Leu Val His Ala Gly Gly Glu Met Arg Lys Ala Arg
35 40 45

Gly Val Ser Glu Asp Leu Leu
50 55

<210> 1052
<211> 144
<212> PRT
<213> Homo sapiens

<220>
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<400> 1052
Thr Met Ala Trp Thr Pro Leu Leu Phe Leu Thr Leu Leu Leu His Cys
1 5 10 15

Thr Gly Ser Leu Ser Gln Leu Val Leu Thr Gln Ser Pro Ser Ala Ser
20 25 30
Ala Ser Leu Gly Ala Ser Val Xaa Leu Thr Cys Thr Leu Ser Ser Gly
35 40 45
His Xaa Asp Tyr Ala Ile Ala Trp His Gln Gln Gln Pro Glu Lys Gly
50 55 60
Pro Arg Tyr Leu Leu Xaa Leu Asn Thr Asp Gly Ser His Arg Lys Gly
65 70 75 80
Asp Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Ala Glu Arg
85 90 95
Tyr Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Xaa Ala Asp Tyr Tyr
100 105 110
Cys Gln Asn Trp Gly Phe Gly Xaa Val Phe Gly Xaa Arg Asp Gln Xaa
115 120 125
Glu Arg Pro Lys Ser Xaa Gln Gly Cys Pro Leu Gly Gln Ser Val Pro
130 135 140

<210> 1053

<211> 52

<212> PRT

<213> Homo sapiens

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<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1053

Gly Thr Ser Ser Pro Ser Leu Ala Glu Asp Pro Phe Gln Gly Gly Gln
1 5 10 15
Val Cys Ala Pro Ser Arg Ala Ile Gln Xaa Ile Cys Leu Pro Ser Met
20 25 30
Tyr Asn Asp Pro Gln Phe Gly Thr Ser Cys Glu Ile Thr Gly Leu Trp
35 40 45

Lys Lys Glu Phe

50

<210> 1054

<211> 67

<212> PRT

<213> Homo sapiens

<400> 1054

Gln Val Gly Ala Ala Ala Val Ala Met Thr Arg Gly Asn Gln Arg Glu
1 5 10 15

Leu Ala Arg Gln Lys Asn Met Lys Lys Gln Ser Asp Ser Val Lys Gly
20 25 30

Lys Arg Arg Asp Asp Gly Leu Ser Ala Ala Ala Arg Lys Gln Arg Asp
35 40 45

Ser Glu Ile Met Gln Gln Lys Gln Lys Lys Ala Asn Glu Lys Lys Glu
50 55 60

Glu Pro Lys
65

<210> 1055

<211> 121

<212> PRT

<213> Homo sapiens

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<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1055

Glu Ala Glu Xaa Lys Met Ser Ser Tyr Ala Phe Phe Val Gln Thr Cys
1 5 10 15

Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn Phe Ser
20 25 30

Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys
35 40 45

Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala Arg Tyr
50 55 60

Glu Arg Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly Glu Thr Lys Lys


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<210> 1057
<211> 118
<212> PRT
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<213> Homo sapiens

<400> 1057

Lys Leu Arg Gln Ala Phe Gln Gly Asp Ser Ile Pro Val Phe Asp Leu
1 5 10 15

Leu Ile Leu Gly Val Gly Pro Asp Gly His Thr Cys Ser Leu Phe Pro
20 25 30

Asp His Pro Leu Leu Gln Glu Arg Glu Lys Ile Val Ala Pro Ile Ser
35 40 45

Asp Ser Pro Lys Pro Pro Pro Gln Arg Val Thr Leu Thr Leu Pro Val
50 55 60

Leu Asn Ala Ala Arg Thr Val Ile Phe Val Ala Thr Gly Glu Gly Lys
65 70 75 80

Ala Ala Val Leu Lys Arg Ile Leu Glu Asp Gln Glu Glu Asn Pro Leu
85 90 95

Pro Ala Ala Trp Ser Ser Pro Thr Pro Gly Asn Cys Ala Gly Leu Gly
100 105 110

Arg Gly Gly Arg Arg Phe
115

<210> 1058

<211> 104

<212> PRT

<213> Homo sapiens

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<222> (2)

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<223> Xaa equals any of the naturally occurring L-amino acids

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Val Xaa Xaa Glu Pro His Gly Xaa Thr Leu Val Phe Ala Arg His Gly
1 5 10 15

Arg Glu Arg Leu Gly Xaa Gly Asp Gly Ala Ala Gln Glu Gly Pro Tyr
20 25 30

Gly Arg Pro Ala Thr Ser Lys Gln Ala Ile Leu Ala Ala Gln Arg Leu
35 40 45

Gly Glu Asp Val Glu Thr Ser Asn Lys Trp Ala Ala Gly Xaa Asn Lys
50 55 60

Gln His Ser Ile Thr Lys Asn Thr Ala Lys Leu Asp Arg Xaa Thr Glu
65 70 75 80

Cys Cys Thr Met Thr Gly Asp Pro Glu Val Xaa Gln Val Ile Gln Gln
85 90 95

Val Gly Xaa Xaa Arg Ala Tyr Thr
100

<210> 1059
<211> 48
<212> PRT
<213> Homo sapiens

<400> 1059
Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Ala Ala Leu Glu Leu
1 5 10 15
Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Val Leu Pro Leu Arg
20 25 30
Glu Ser Asn Cys Ile Pro Ala Ser Val Ser Phe Leu Cys Val Ile Ser
35 40 45

<210> 1060
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<400> 1060
Arg Asn Val Thr His Ile Asp Gln Ala Leu Gln Glu Ala His Arg Val
1 5 10 15
Leu Lys Pro Gly Gly Arg Phe Leu Cys Leu Glu Phe Ser Gln Val Asn

20 25 30
Asn Pro Leu Ile Ser Arg Leu Tyr Asp Leu Tyr Ser Phe Gln Val Ile
35 40 45
Pro Val Leu Gly Glu Val Ile Ala Gly Asp Trp Lys Ser Tyr Gln Tyr
50 55 60
Leu Val Glu Ser Ile Arg Arg Phe Pro Xaa Xaa Glu Glu Phe Xaa Asp
65 70 75 80
Met Ile Glu Asp Ala Gly Phe His Lys Val Thr Tyr Glu Ser Leu Thr
85 90 95
Ser Gly Xaa Val
100

<210> 1061

<211> 137

<212> PRT

<213> Homo sapiens

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<400> 1061

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Val	Ala	Xaa	Val	Xaa	Val	Ser	Ser	Val	Ser	Arg	Leu	Leu	Xaa	Arg	Xaa
			20					25					30		

Xaa	Pro	Xaa	Leu	Gly	Arg	Ser	Met	Ser	Ser	Gly	Ala	His	Gly	Glu	Glu
		35					40					45			

Xaa	Ser	Xaa	Xaa	Met	Trp	Lys	Xaa	Leu	Thr	Phe	Phe	Val	Ala	Leu	Pro
	50					55				60					

Gly	Val	Xaa	Xaa	Xaa	Xaa	Leu	Xaa	Val	Tyr	Leu	Lys	Ser	His	His	Gly
65						70				75					80

Glu	His	Glu	Xaa	Pro	Glu	Phe	Ile	Val	Tyr	Pro	Tyr	Leu	Arg	Ile	Arg
				85					90					95	

Xaa	Lys	Xaa	Phe	Pro	Trp	Gly	Asp	Xaa	Xaa	His	Thr	Phe	Xaa	His	Asn
			100					105					110		

Pro	Tyr	Val	Xaa	Pro	Xaa	Pro	Leu	Xaa	Thr	Glu	Xaa	Tyr	Xaa	Glu	Xaa
		115					120					125			

Leu	Xaa	Ile	Thr	Gly	Xaa	Thr	Gly	Pro
130						135		

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<211> 61

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 1 5 10 15
 Cys Pro Trp Pro Ala Leu Met Thr Arg Trp Thr Val Ser Leu Arg Ala
 20 25 30
 Pro Xaa Leu Ala Gln Leu Ser Asp Val Ala Met His Ser Leu Gly Xaa
 35 40 45
 Ala Phe Ile Tyr Xaa Gln Thr Asp Asp Ile Xaa Asp Val

50

55

60

<210> 1063

<211> 68

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Thr Tyr Xaa Pro Xaa Ser Xaa Gly Ile Cys Arg Val Ser Leu Xaa Leu
1 5 10 15

Pro Gln Gln Trp Xaa Thr Phe Ala Lys Ile Trp Tyr Ile Leu Asp Gly
20 25 30

Lys Met Xaa Pro Pro Gly Lys Leu Ala Ala Met Xaa Ser Ile Arg Leu
35 40 45

Xaa Gly Leu His Xaa Pro Ala Tyr His Ala Leu Thr Asp Cys Gly Asp
50 55 60

His Val Cys Tyr
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Arg Asp Ile Glu Pro Gly Glu Glu Ile Ser Xaa Tyr Tyr Gly Asp Gly
1 5 10 15

Phe Phe Gly Glu Asn Asn Glu Phe Cys Glu Cys Tyr Thr Cys Glu Arg
20 25 30

Arg Gly Thr Gly Ala Phe Lys Ser Arg Val Gly Leu Pro Ala Pro Ala
35 40 45

Pro Val Ile Asn Ser Lys Tyr Gly Leu Arg Glu Thr Asp Lys Arg Leu
50 55 60

Asn Arg Leu Lys Lys Leu Gly Asp Ser Ser Lys Asn Ser Asp Ser Gln
65 70 75 80

Ser Val Ser Ser Asn Thr Asp Ala Asp Thr Thr Gln Glu Lys Asn Asn
85 90 95

Ala Thr Ser Asn Arg Lys Ser Ser Val Gly Val Lys Lys Asn Ser Lys

100 105 110
Ser Arg Thr Leu Thr Arg Gln Ser Met Ser Arg Ile Pro Ala Ser Ser
115 120 125
Asn Ser Thr Ser Ser Lys Leu Asn Ser Tyr Lys
130 135

<210> 1065

<211> 78

<212> PRT

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<400> 1065
 Gly Thr Cys His Xaa Xaa Pro Trp Gly Pro Met Glu Pro Xaa Lys Arg
 1 5 10 15
 Pro Trp Arg Leu Leu Met Asp Thr Phe Xaa Cys Lys Leu Leu Pro Trp
 20 25 30
 Gly Val Lys Val Xaa His His Pro Xaa Trp Xaa Leu Gln Asp Arg Val
 35 40 45
 Ser Glu Glu Thr Trp Val Xaa Trp Glu Lys Arg Gln Gln Xaa Ala Xaa
 50 55 60
 Gly Pro Thr Leu Ser Xaa Glu Leu Leu Gln Xaa Leu Arg Glu
 65 70 75

<210> 1066
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 1066
 Leu Glu Arg His His Leu Glu Phe Gly Lys Thr Leu Leu Arg Asp Glu
 1 5 10 15

Ser Leu Asn Ile Phe Gln Asn Leu Asn Arg Arg Gln His Glu His Ala
20 25 30
Ile His Met Met Asp Ile Ala Ile Ile Ala Thr Asp Leu Ala Leu Tyr
35 40 45
Phe Lys Lys Arg Thr Met Phe Gln Lys Ile Val Asp Gln Ser Lys Thr
50 55 60
Tyr Glu Ser
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<210> 1067
<211> 98
<212> PRT
<213> Homo sapiens

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<400> 1067

Ser Ala Arg Xaa Trp Asn Thr Xaa Trp Asn Pro Lys Asn Ser Asp Ser
1 5 10 15

Gly Lys Tyr Trp Gly Lys Ser Trp Leu Pro Xaa Asn Tyr Thr Leu Val
20 25 30

Asp Met Lys Ile Xaa Phe Gly Val Asp Ile Thr Thr Lys Glu Met Val
35 40 45

Leu Ala Asp Asp Ser Trp Arg Leu Ala Ile Thr Ser Ile Glu Ala Asn
50 55 60

Ser Lys Asp Xaa Xaa Ser Tyr Trp Xaa Leu Lys Glu Val Thr Pro Glu
65 70 75 80

Gly Leu Xaa Met Val Lys Lys Ser Phe Glu Ala Gly His Gly Asp Ser
85 90 95

Cys Leu

<210> 1068

<211> 167

<212> PRT

<213> Homo sapiens

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Ser Val Ser Leu Met Ser Asp Leu Glu Gly Asn Thr Lys Ser Arg Val
1 5 10 15

Arg Leu Leu Val Leu Val Pro Pro Ser Lys Pro Glu Cys Gly Ile Glu
20 25 30

Gly Glu Thr Ile Ile Gly Asn Asn Ile Gln Leu Thr Cys Gln Ser Lys
35 40 45

Glu Gly Ser Pro Thr Pro Pro Val Gln Leu Glu Arg Ser Tyr Asn Ile

50 55 60
 Leu Asn Gln Xaa Xaa Pro Leu Ala Pro Pro Thr Ser Gly Ser Thr Cys
 65 70 75 80
 Ser Pro Leu Lys Asn Ile Ser His Arg Thr His Xaa Val Tyr Xaa Leu
 85 90 95
 Val Pro Pro Ser Asn Lys Xaa Gly Asn Xaa Phe Leu Gln Leu His Gly
 100 105 110
 Gly Leu Xaa Asn Leu Pro Pro Ile Xaa Phe Gly Pro Phe Phe Xaa Leu
 115 120 125
 Pro Gly Gly Val Phe Phe Phe Thr Pro Leu Ile Xaa Xaa Xaa Xaa Xaa
 130 135 140
 Leu Xaa Xaa Xaa Xaa Pro Gly Glu Arg Xaa Asn Pro Xaa Lys Lys Gly
 145 150 155 160
 Lys Pro Gly Thr Xaa Thr Leu
 165

<210> 1069

<211> 142

<212> PRT

<213> Homo sapiens

<400> 1069

Val Leu Pro Pro Leu Leu Ile Met Leu Val Ile Tyr Ile Lys Ile Phe
 1 5 10 15
 Leu Val Ala Cys Arg Gln Leu Gln Arg Thr Glu Leu Met Asp His Ser
 20 25 30
 Arg Thr Thr Leu Gln Arg Glu Ile His Ala Ala Lys Ser Leu Ala Met
 35 40 45
 Ile Val Gly Ile Phe Ala Leu Cys Trp Leu Pro Val His Ala Val Asn
 50 55 60
 Cys Val Thr Leu Phe Gln Pro Ala Gln Gly Lys Asn Lys Pro Lys Trp
 65 70 75 80
 Ala Met Asn Met Ala Ile Leu Leu Ser His Ala Asn Ser Val Val Asn
 85 90 95
 Pro Ile Val Tyr Ala Tyr Arg Asn Arg Asp Phe Arg Tyr Thr Phe His
 100 105 110

Lys Ile Ile Ser Arg Tyr Leu Leu Cys Gln Ala Asp Val Lys Ser Gly
115 120 125

Asn Gly Gln Ala Gly Val Gln Pro Ala Leu Gly Val Gly Leu
130 135 140

<210> 1070

<211> 44

<212> PRT

<213> Homo sapiens

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<400> 1070

Ala Glu Arg Lys Ala Leu Leu Leu Gln Gly Ser Asn Glu Ile Xaa Ile
1 5 10 15

Arg Ala Arg Gly Gln Xaa Pro Leu Xaa Leu Gln Xaa His Xaa Arg Trp
20 25 30

Leu His Xaa Xaa His Arg Xaa Pro Gly Ala Arg Xaa
35 40

<210> 1071

<211> 97

<212> PRT

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<400> 1071

Met Glu Ala Ala Asp Tyr Arg Xaa Ala Ser Ser Gln Gln Gly Leu Ala
1 5 10 15

Tyr Ala Thr Glu Ala Val Tyr Glu Ser Ala Glu Ala Pro Gly His Tyr
20 25 30

Pro Ala Glu Asp Ser Thr Tyr Asp Glu Tyr Glu Asn Asp Leu Gly Ile
35 40 45

Thr Ala Val Ala Leu Tyr Xaa Tyr Gln Ala Ala Gly Asp Asp Glu Ile
50 55 60

Ser Phe Xaa Pro Asp Asp Ile Ile Thr Asn Ile Glu Met Ile Xaa Asp
65 70 75 80

Gly Trp Trp Arg Gly Val Cys Lys Gly Arg Phe Arg Glu Leu Ala Phe
85 90 95

Ser

<210> 1072

<211> 76

<212> PRT

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<400> 1072

Pro Cys Lys Asp Ile Asn Thr Phe Xaa His Gly Asn Lys Arg Arg Phe
1 5 10 15

Lys Xaa Ile Cys Glu Asn Lys Xaa Trp Lys Pro Leu Gln Gly Asn Leu
20 25 30

Arg Phe Xaa Xaa Val Phe Phe Phe Gln Xaa Thr Ile Trp Lys Val Xaa
35 40 45

Xaa Gly Val Ser Xaa Gly Xaa Xaa Xaa Thr Phe Pro Gly Xaa Xaa Xaa
50 55 60

Gly Leu Lys Xaa Xaa Phe Phe Phe Xaa Lys Arg
65 70 75

<210> 1073

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<212> PRT

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<400> 1073

His Lys Gln Phe Ala Ser Leu Glu His Gly Ile Val Pro Xaa Thr Ser
1 5 10 15

Asp Cys Gln Tyr Leu Phe Pro Ala Lys Val Val Ser Arg Leu Val Xaa
20 25 30

Trp Val Thr Xaa Ala His Glu Asp Tyr Met Glu Leu His Phe Thr Lys
35 40 45

Asp Ile Val Asp Ala Gly Leu Ala Gly Asp Thr Asn Leu Tyr Tyr Met
50 55 60

Ala Leu Ile Glu Arg Gly Thr Ala Lys Leu Gln Ala Ala Val Val Leu
65 70 75 80

Asn Pro Gly Tyr Ser Ser Ile Pro Pro Val Phe Xaa Leu Cys Leu Asn
85 90 95

Trp Lys Xaa Glu Lys Thr Asn Ser Asn Xaa Xaa Asn Ile Xaa Gly His
100 105 110

Gly Gly Arg
115

<210> 1074

<211> 56
<212> PRT
<213> Homo sapiens

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<400> 1074
Ser Ala His Xaa Cys Leu Ile Asn Ala Thr Ser Thr Xaa Thr Glu Phe
1 5 10 15
Leu Lys Xaa Leu Val Leu Pro Xaa Ile Gly Ser Phe Thr Ile Ile Asp
20 25 30
Gly Asn Gln Val Xaa Gly Gln Asn Xaa Gly Asn Asn Phe Phe Leu Gln
35 40 45
Lys Ile Leu Ser Ala Xaa Thr Asp
50 55

<210> 1075
<211> 146
<212> PRT
<213> Homo sapiens

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Gly Thr Ser Glu Thr Pro Ala Gly Thr Ile Leu Tyr His Ala His Leu
1 5 10 15

Asp Ile Glu Ala Phe Thr Met Asp Arg Glu Val Arg Lys Ile Lys Gln
20 25 30

Gly Leu Gly Leu Lys Phe Ala Glu Xaa Val Tyr Thr Gly Phe Trp His
35 40 45

Ser Pro Glu Cys Glu Phe Val Arg His Cys Ile Ala Lys Ser Gln Glu
50 55 60

Arg Val Glu Gly Lys Val Gln Val Ser Val Leu Lys Gly Gln Val Tyr
65 70 75 80

Ile Leu Gly Arg Glu Ser Pro Leu Ser Leu Tyr Asn Glu Glu Leu Val
85 90 95

Ser Met Asp Glu Asn Leu Met His Ile Ser Tyr Xaa Ala Gly Ile Leu
100 105 110

Glu Xaa Pro Lys Asn Gln Ala Leu Xaa Val Leu Asn Glu Asp Pro Xaa
115 120 125

Pro Ser Gln Ser Pro Asn Asn Pro Asp Ile Ser Glu Ile Glu Phe Lys
130 135 140

Lys Gly
145

<210> 1076
<211> 130
<212> PRT
<213> Homo sapiens

<400> 1076
Trp Ile Pro Arg Ala Ala Gly Arg His Val Gly Val Cys Gly Ser Gly
1 5 10 15
Gly Arg Cys Ser Gly Leu Arg Gly Leu Ala Glu Thr His Pro Phe Ser
20 25 30
Val Ala Ala Pro Ser Ser Ala Leu Thr Ala Gly Arg Pro Thr Ala Val
35 40 45
His Pro Gly Glu Ser Thr Val Arg Thr Ile Ala Met Asp Gly Thr Glu
50 55 60
Gly Leu Val Arg Gly Gln Lys Val Leu Asp Ser Gly Ala Pro Ile Lys
65 70 75 80
Ile Pro Val Gly Pro Glu Thr Leu Gly Arg Ile Met Asn Val Ile Gly
85 90 95
Glu Pro Ile Asp Glu Arg Gly Pro Ile Lys Thr Lys Gln Phe Ala Pro
100 105 110
Ile His Ala Glu Ala Pro Glu Phe Met Glu Met Ser Val Glu Gln Glu
115 120 125
Ile Leu
130

<210> 1077

<211> 55
<212> PRT
<213> Homo sapiens

<400> 1077

Gly Gln Gly Gln Asp Gly Ala Thr Gly Ala Gly Leu Ser Ala His Gln
1 5 10 15
Asp Tyr Leu Lys Pro Arg Ala Glu Glu Glu Arg Arg Ile Ala Ala Glu
20 25 30
Glu Lys Lys Lys Gln Asp Glu Leu Lys Arg Ile Ala Arg Glu Leu Ala
35 40 45
Glu Asp Asp Ser Ile Leu Lys
50 55

<210> 1078
<211> 71
<212> PRT
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<400> 1078

Glu Arg Gln Arg Arg Gly Leu His Val Gln Arg Leu Ser Gly His Leu
1 5 10 15
Arg Val Gln Asp Tyr Asn Ser Arg Gln Gly Ala Gln Asn Asp Arg Pro
20 25 30
Arg Gln Arg Arg Leu Thr Arg Ile Ser Met Ile Leu Xaa Arg Leu Xaa
35 40 45
Arg Phe Ser Ser Val Ile Arg Ser Ala Val Ser Val His Leu Arg Arg
50 55 60
Asn Ile Gly Val Thr Ala Val
65 70

<210> 1079
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<400> 1079

Xaa Gly Ala Val Ile Ile Xaa Phe Arg Ser Lys Ile Lys Xaa Ala Leu
1 5 10 15

Ala His Phe Leu Ser Lys Xaa Thr Pro Thr Pro Leu Ile Pro Ile Leu
20 25 30

Val Ile Met Xaa Asn Xaa Ile Leu Leu Xaa Xaa Pro Ile Ala Leu Gly
35 40 45

Val Ser Leu Ile Ala Tyr Ile Thr Xaa Gly His Xaa Leu Met His Leu
50 55 60

Ile Gly Xaa Val Pro Tyr Asn Ile Asn His
65 70

<210> 1080

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<400> 1080

Thr Asp Tyr Gly Xaa Thr Ala Thr Lys Gln Xaa Val Xaa Ala Gly Thr
1 5 10 15

Phe Phe Trp Ser Val Val Ile Pro Xaa Leu Arg Arg Ile Leu Thr Ile
20 25 30

Leu Gln Trp Leu Thr Xaa Pro
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<210> 1081

<211> 76

<212> PRT

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1081

Gly Arg Xaa Xaa Lys Val Leu Lys Arg Leu Arg Leu Gln Lys Arg Gly
1 5 10 15

Thr Gly Gly Val Asp Thr Ala Ala Val Gly Gly Val Phe Asp Val Ser
20 25 30

Asn Ala Asp Arg Leu Gly Phe Ser Glu Val Glu Leu Val Gln Met Val
35 40 45

Val Asp Gly Val Lys Leu Leu Ile Glu Met Glu Gln Arg Leu Glu Gln
50 55 60

Gly Gln Ala Ile Asp Asp Leu Met Pro Ala Gln Lys
65 70 75

<210> 1082

<211> 144

<212> PRT

<213> Homo sapiens

<400> 1082

Pro Val Thr Asn Glu Gly Ser Arg Asp Trp Thr Asp Ala Ala Met Pro
1 5 10 15

Leu Arg Leu Asp Ile Lys Arg Lys Leu Thr Ala Arg Ser Asp Arg Val
20 25 30

Lys Ser Val Asp Leu His Pro Thr Glu Pro Trp Met Leu Ala Ser Leu
35 40 45

Tyr Asn Gly Ser Val Cys Val Trp Asn His Glu Thr Gln Thr Leu Val
50 55 60

Lys Thr Phe Glu Val Cys Asp Leu Pro Val Arg Ala Ala Lys Phe Val
65 70 75 80

Ala Arg Lys Asn Trp Val Val Thr Gly Ala Asp Asp Met Gln Ile Arg
85 90 95

Val Phe Asn Tyr Asn Thr Leu Glu Arg Val His Met Phe Glu Ala His
100 105 110

Ser Asp Tyr Ile Arg Cys Ile Ala Val His Pro Thr Gln Pro Phe Ile
115 120 125

Leu Thr Ser Ser Asp Asp Met Leu Ile Lys Leu Trp Asp Trp Asp Lys
130 135 140

<210> 1083

<211> 120

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<400> 1083

Glu Met Xaa Arg Ser Val Ala Leu Ala Val Leu Ala Leu Ser Leu
1 5 10 15

Ser Gly Leu Glu Ala Ile Gln Arg Thr Pro Lys Ile Gln Val Tyr Ser
20 25 30

Arg His Pro Ala Glu Asn Gly Lys Ser Asn Phe Leu Asn Cys Tyr Val
35 40 45

Ser Gly Phe His Pro Ser Asp Ile Glu Val Asp Leu Leu Lys Asn Gly
50 55 60

Glu Arg Ile Glu Lys Val Glu His Ser Asp Leu Xaa Phe Ser Lys Asp
65 70 75 80

Trp Xaa Phe Tyr Leu Leu Tyr Tyr Thr Glu Phe Thr Pro Thr Glu Lys
85 90 95

Asp Glu Tyr Ala Cys Arg Val Asn His Val Thr Leu Ser Gln Pro Lys
100 105 110

Ile Val Lys Trp Asp Arg Asp Met
115 120

<210> 1084

<211> 149

<212> PRT

<213> Homo sapiens

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<400> 1084

Pro Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Thr Ala Ala Arg Arg
1 5 10 15

Xaa Gln Lys Gly Ile Pro Glu Ala Asp Ser Ile Arg Ala Glu Met Ser
20 25 30

Arg Ser Val Ala Leu Ala Val Leu Ala Leu Leu Ser Leu Ser Gly Leu
35 40 45

Glu Ala Ile Gln Arg Thr Pro Lys Ile Gln Val Tyr Ser Arg His Pro
50 55 60

Ala Glu Ser Gly Lys Ser Asn Phe Leu Asn Cys Tyr Val Ser Gly Phe
65 70 75 80

His Pro Ser Asp Ile Glu Val Asp Leu Leu Lys Asn Gly Glu Arg Ile
85 90 95

Glu Lys Val Glu His Ser Asp Leu Ser Phe Ser Lys Asp Trp Ser Phe
100 105 110

Tyr Leu Leu Tyr Tyr Thr Glu Phe Thr Pro Thr Glu Lys Asp Glu Tyr
115 120 125

Ala Cys Arg Val Asn His Val Thr Leu Ser Gln Pro Lys Ile Val Lys
130 135 140

Trp Asp Arg Asp Met
145

<210> 1085

<211> 176

<212> PRT

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<400> 1085

Glu Xaa Pro Gly Xaa Asp Xaa Thr Arg Pro Xaa Xaa Lys Phe Leu Lys
 1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser
 20 25 30

Lys Leu Thr Tyr Ala Cys Met Xaa Arg His Ser Ser Ser Ile Val Ser
 35 40 45

Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu
 50 55 60

Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe
 65 70 75 80

Ala Ser Trp Arg Asn Ser Xaa Xaa Ala Arg Thr Asp Arg Pro Ser Gln
 85 90 95

Gln Leu Arg Xaa Leu Asn Gly Xaa Trp Asp Ala Pro Xaa Xaa Gly Ala
 100 105 110

Leu Ser Ala Ala Xaa Glu Val Val Thr Xaa Ser Val Thr Ala Thr Leu
 115 120 125

Ala Ser Ala Leu Ala Xaa Ala Pro Phe Ala Phe Phe Pro Xaa Phe Leu

130 135 140

Ala Xaa Phe Ala Gly Phe Pro Arg Gln Ala Leu Asn Arg Gly Leu Pro
145 150 155 160

Leu Gly Phe Arg Phe Ser Ala Leu Arg Xaa Leu Arg Pro Gln Lys Xaa
165 170 175

<210> 1086

<211> 166

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1086

Lys Lys Lys Xaa Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly
1 5 10 15

Arg Xaa Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser
20 25 30

Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln
35 40 45

Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala
50 55 60

Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala Arg Thr
65 70 75 80

Asp Arg Pro Ser Gln Gln Leu Xaa Ser Leu Asn Gly Glu Trp Asp Ala
85 90 95

Pro Cys Xaa Gly Ala Leu Ser Ala Ala Gly Val Val Val Thr Arg Ser
100 105 110

Val Thr Val Thr Leu Ala Ser Ala Leu Ala Pro Xaa Pro Phe Ala Phe
115 120 125

Phe Pro Ser Phe Leu Ala Thr Phe Ala Gly Phe Pro Arg Gln Ala Xaa
130 135 140

Asn Arg Gly Leu Pro Leu Gly Phe Arg Phe Ser Ala Leu Arg His Leu
145 150 155 160

Asp Pro Lys Lys Leu Asp
165

<210> 1087

<211> 154

<212> PRT

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Pro Thr Arg Pro Pro Thr Arg Pro Lys Lys Lys Lys Lys Lys Lys Lys
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Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Arg Ser Lys Gly Ser Lys
20 25 30
Leu Thr Tyr Ala Cys Met Gln Xaa His Xaa Ser Pro Ile Val Ser Pro
35 40 45
Lys Phe Asn Xaa Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn
50 55 60
Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Xaa His Pro Pro Phe Ala
65 70 75 80
Ser Trp Xaa Xaa Xaa Xaa Lys Ala Arg Thr Asp Arg Pro Ser Gln Gln
85 90 95
Leu Arg Xaa Leu Asn Gly Lys Trp Asp Ala Pro Cys Tyr Gly Ala Leu

100 105 110
Xaa Pro Xaa Gly Val Val Val Thr Pro Xaa Val Xaa Arg Tyr Thr Cys
115 120 125
Xaa Arg Pro Xaa Ala Arg Ser Phe Arg Phe Leu Pro Phe Leu Ser Arg
130 135 140
Gln Xaa Xaa Pro Xaa Phe Pro Val Xaa Leu
145 150

<210> 1088
<211> 166
<212> PRT
<213> Homo sapiens

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<400> 1088

Phe Phe Ile Asn His Gly Cys Ser Gln Lys Lys Lys Xaa Lys Xaa Lys
1 5 10 15

Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr
20 25 30

Ala Cys Met Xaa Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn
35 40 45

Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val
50 55 60

Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg
65 70 75 80

Asn Ser Glu Xaa Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser
85 90 95

Leu Asn Gly Glu Trp Asp Ala Pro Cys Ser Gly Ala Leu Ser Ala Ala
100 105 110

Gly Val Val Val Thr Arg Ser Val Thr Xaa Thr Leu Xaa Ser Ala Leu
115 120 125

Thr Pro Xaa Pro Phe Ala Phe Phe Pro Ser Phe Leu Pro Arg Ser Xaa
130 135 140

Gly Phe Pro Ser Ser Ser Lys Ser Gly Ala Pro Leu Arg Val Xaa Ile
145 150 155 160

Xaa Gly Phe Thr Gly Pro
165

<210> 1089
<211> 104
<212> PRT
<213> Homo sapiens

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<400> 1089
Asn Lys Lys Lys Lys Lys Arg Ala Ala Ala Leu Glu Asp Pro Lys Leu
1 5 10 15

Thr Tyr Ala Cys Met Xaa Arg His Ser Ser Ser Ile Val Ser Pro Lys
20 25 30

Phe Asn Ser Leu Gly Arg Arg Phe Thr Thr Ser Val Thr Gly Lys Thr
35 40 45

Leu Ala Leu Pro Asn Leu Ile Arg Leu Ala Ala His Pro Pro Phe Ala
50 55 60

Ser Trp Arg Asn Ser Glu Glu Ala Arg Xaa Asp Arg Pro Ser Gln Gln

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<400> 1090

Pro Thr Xaa Pro Lys Lys Lys Lys Lys Xaa Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys Lys Lys Xaa Gly Gly Arg Xaa Xaa Gly Ser Lys Leu Thr Tyr Ala
20 25 30

Cys Met Xaa Arg Xaa Ser Ser Ser Ile Xaa Ser Pro Lys Phe Asn Ser
35 40 45

Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr
50 55 60

Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn
65 70 75 80

Ser Glu Xaa Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Xaa Ser Leu

	85		90		95										
Asn	Gly	Xaa	Trp	Asp	Ala	Pro	Cys	Ser	Gly	Ala	Leu	Ser	Ala	Ala	Gly
			100					105					110		
Val	Xaa	Val	Thr	Xaa	Ser	Xaa	Thr	Val	Thr	Leu	Ala	Ser	Ala	Leu	Ala
			115					120					125		

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<210> 1091

<211> 78

<212> PRT

<213> Homo sapiens

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<400> 1091
Glu Thr Ala Met Thr Met Ile Thr Pro Ser Ser Asn Thr Thr His Tyr
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Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser
20 25 30
Thr His Ala Ser Gly Xaa Xaa Xaa Xaa Gly Xaa Xaa Ser Xaa Xaa Xaa
35 40 45
Arg Lys Ile Val Gln Arg Gly Xaa Asn Glu Cys Gly Ser Arg Gly Xaa
50 55 60
Pro Xaa Ser Xaa Gly Xaa Xaa Ser Phe Gly Xaa Lys Lys Cys
65 70 75

<210> 1092

<211> 77

<212> PRT

<213> Homo sapiens

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<400> 1092

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Arg
1 5 10 15

Ser Xaa Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser
20 25 30

Xaa Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg
35 40 45

Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala
50 55 60

Xaa Pro Pro Xaa Xaa Xaa Trp Xaa Ile Pro Lys Gly Pro
65 70 75

<210> 1093

<211> 93

<212> PRT

<213> Homo sapiens

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<400> 1093

Thr Phe Gln Asn Leu Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly
1 5 10 15

Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Val
20 25 30

Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp
35 40 45

Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Xaa Pro
50 55 60
Phe Ala Ala Gly Val Ile Xaa Lys Arg Pro Xaa Arg Ser Pro Phe Pro
65 70 75 80
Thr Val Ala Gln Pro Glu Trp Arg Met Gly Arg Ala Leu
85 90

<210> 1094

<211> 44

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1094

Xaa Arg Pro Xaa Leu Glu Thr Pro Asp Tyr Arg Glu Ser Trp Tyr Ala
1 5 10 15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Arg
20 25 30

Leu Glu Ala Xaa Arg Arg Met Leu Gly Ile Ser Pro
35 40

<210> 1095

<211> 69

<212> PRT

<213> Homo sapiens

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<400> 1095

Asn	Val	Pro	Cys	Lys	Tyr	Lys	His	Ile	Leu	Ser	Glu	Lys	Lys	Xaa	Lys
1				5					10					15	

Lys	Gly	Gly	Arg	Ser	Xaa	Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met	Arg
			20					25					30		

Arg	His	Ser	Ser	Ser	Ile	Val	Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala	Val
		35					40					45			

Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Lys	Pro	Trp	Ala	Leu	Pro	Asn	Leu
	50					55					60				

Xaa	Xaa	Xaa	Cys	Xaa
				65

<210> 1096

<211> 48

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<400> 1096
Gly Xaa Xaa Ser Thr Val Xaa Ile Pro Gly Ser Arg Asp Pro Ser Leu
1 5 10 15

Arg Thr Xaa His Ala Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe
20 25 30

Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Xaa Xaa
35 40 45

<210> 1097
<211> 47
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<400> 1097

Lys Xaa Xaa Lys Xaa Gly Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr
1 5 10 15

Ala Xaa Met Arg Arg His Ser Ser Ser Ile Gly Ser Pro Lys Phe Asn
20 25 30

Ser Leu Ala Val Val Leu Gln Arg Xaa Asp Trp Glu Asn Pro Gly
35 40 45

<210> 1098

<211> 48

<212> PRT

<213> Homo sapiens

<400> 1098

Ser Glu Thr Pro Ser Gln Lys Lys Lys Lys Lys Thr Arg Gly Gly Ala
1 5 10 15

Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile Thr Ile Pro Leu Ala
20 25 30

Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Arg Tyr Pro Thr
35 40 45

<210> 1099
<211> 66
<212> PRT
<213> Homo sapiens

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<400> 1099
Thr Xaa Xaa Lys Lys Lys Arg Ala Ala Ala Leu Xaa Asp Pro Ser Leu

1 5 10 15
Arg Thr Pro Cys Met Arg Arg His Asn Ser Ser Ile Gly Ala Pro Lys
 20 25 30
Phe Asn Ser Leu Ala Arg Arg Leu Gln Arg Leu Thr Gly Lys Thr Leu
 35 40 45
Ala Leu Pro Asn Leu Ile Xaa Leu Gln Xaa Ile Pro Phe Xaa Gln Leu
 50 55 60
Xaa Xaa
65

<210> 1100

<211> 71

<212> PRT

<213> Homo sapiens

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<400> 1100
Met Leu Asn Tyr Phe Gln Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
1 5 10 15
Gly Gly Xaa Ser Xaa Gly Ser Lys Leu Thr Tyr Xaa Cys Met Gln Xaa
20 25 30
Xaa Xaa Ser Ser Ile Val Ser Pro Lys Phe Asn Xaa Leu Ala Val Asp
35 40 45
Xaa Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg
50 55 60
Leu Ala Ala His Pro Pro Xaa
65 70

<210> 1101
<211> 114
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1101

Pro Val Ser Arg Arg Ser Xaa Xaa Xaa Lys Lys Xaa Xaa Lys Lys Asn
1 5 10 15

Ser Lys Ser Phe Ser Xaa Val Leu Leu Xaa Arg Pro Arg Ala His Xaa
20 25 30

Phe Ser Thr Arg Val Gly Tyr Gln Val Ser Val Pro Asn Ser Pro Tyr
35 40 45

Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Xaa Asp
50 55 60

Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro
65 70 75 80

Pro Phe Ala Ser Trp Arg Asn Xaa Glu Lys Gly Arg Xaa Asp Arg Pro
85 90 95

Ser Gln Gln Phe Ala Xaa Pro Glu Met Ala Asn Gly Asn Gln Phe Leu
100 105 110

Xaa Val

<210> 1102

<211> 152

<212> PRT

<213> Homo sapiens

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<400> 1102
Asn Xaa Lys Lys Lys Lys Xaa Lys Lys Lys Xaa Lys Lys Lys Gly Gly
1 5 10 15
Arg Ser Lys Gly Ser Lys Leu Thr Tyr Ala Cys Met Xaa Arg His Xaa
20 25 30
Ser Ala Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln
35 40 45
Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala
50 55 60
Xaa His Pro Pro Phe Ala Arg Trp Arg Asn Ser Xaa Lys Ala Arg Xaa
65 70 75 80
Asp Arg Pro Ser Gln Gln Leu Xaa Xaa Leu Asn Gly Xaa Xaa Xaa Ala
85 90 95
Pro Cys Xaa Gly Ala Leu Ser Ala Ala Gly Val Val Val Thr Xaa Arg

100 105 110
Val Thr Ala Xaa Leu Xaa Xaa Ala Leu Ala Pro Gly Pro Phe Xaa Phe
115 120 125
Phe Pro Ser Phe Leu Ala Thr Phe Ala Gly Phe Pro Arg Gln Ala Leu
130 135 140
Asn Arg Gly Val Pro Phe Xaa Val
145 150

<210> 1103
<211> 143
<212> PRT
<213> Homo sapiens

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<222> (143)

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<400> 1103

Ile Asn Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly
1 5 10 15

Gly Arg Ser Xaa Gly Ser Lys Leu Thr Tyr Ala Cys Met Xaa Arg His
20 25 30

Ser Ser Ser Ile Xaa Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu
35 40 45

Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu
50 55 60

Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Lys Ala Arg
65 70 75 80

Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp Asp
85 90 95

Ala Pro Cys Xaa Gly Ala Leu Ser Ala Ala Gly Val Val Val Thr Arg
100 105 110

Ser Val Thr Val Thr Leu Ala Ser Ala Leu Xaa Pro Ala Pro Phe Val
115 120 125

Ser Ser Leu Xaa Phe Ser Xaa Arg Ser Pro Val Ser Pro Leu Xaa
130 135 140

<210> 1104

<211> 93

<212> PRT

<213> Homo sapiens

<400> 1104

Arg Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser Lys Leu Thr
1 5 10 15

Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe
20 25 30

Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly
35 40 45

Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp
50 55 60

Arg Asn Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg
65 70 75 80

Ser Leu Asn Gly Glu Trp Asp Ala Pro Cys Thr Ala His
85 90

<210> 1105

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1105

Ile Arg Gln Arg Tyr Ser Trp Leu Ile Asn Gly Thr Phe Gln Gln Ser
1 5 10 15

Thr Gln Glu Leu Phe Ile Pro Asn Ile Thr Val Asn Asn Ser Gly Ser
20 25 30

Tyr Thr Cys His Ala Asn Asn Ser Val Thr Gly Cys Asn Arg Ala Thr
35 40 45

Val Lys Thr Met His Ser His
50 55

<210> 1106

<211> 73

<212> PRT

<213> Homo sapiens

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<222> (30)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1106

Pro Trp His Val Phe Cys Ile Ser Gly Arg Pro Ala Ala Gln Asp His
1 5 10 15

Ser Asn Asp Pro Pro Asn Lys Met Asn Glu Val Thr Tyr Xaa Thr Leu
20 25 30

Asn Phe Glu Xaa Xaa Gln Pro Thr Gln Pro Thr Ser Ala Ser Pro Ser
35 40 45

Leu Thr Ala Thr Glu Xaa Ile Tyr Ser Arg Ser Lys Lys Xaa Val Met
50 55 60

Lys Pro Gly Pro Ala Xaa Cys Ser Ala
65 70

<210> 1107

<211> 137

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1107

Ser Ser His Asn Arg Val Asn Ala Arg Leu Ala Gly Ala Pro Ser Glu
1 5 10 15

Asp Pro Gln Phe Pro Lys Val Gln Trp Pro Pro Arg Glu Leu Cys Ser
20 25 30

Ala Cys His Asn Glu Arg Leu Asp Val Pro Val Trp Asp Val Glu Ala
 35 40 45

Thr Leu Asn Phe Leu Lys Ala His Phe Ser Pro Ser Asn Ile Ile Leu
 50 55 60

Asp Phe Pro Ala Ala Gly Ser Thr Cys Pro Arg Asp Val Gln Asn Val
 65 70 75 80

Ala Ser Arg Pro Lys Leu Ala Met Gly Ala Leu Glu Leu Glu Ser Arg
 85 90 95

Asn Ser Thr Leu Asp Pro Gly Lys Pro Glu Met Met Lys Ser Pro Thr
 100 105 110

Asn Thr Thr Pro His Val Pro Ala Xaa Gly Pro Glu Ala Ser Arg Pro
 115 120 125

Pro Lys Leu Ala Pro Trp Pro Lys Thr
 130 135

<210> 1108
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 1108
 Gln Tyr Lys Gly Ser Trp Pro Ala Leu Gln Leu Gln His Leu Pro His
 1 5 10 15

Pro Glu Trp Glu Ser Gly Gly Ala Thr Cys Trp Ala Pro Pro Glu Leu
 20 25 30

Cys Thr His Leu Ala Met Tyr
 35

<210> 1109
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 1109
 Ala Asp Phe Asp Arg Phe Lys Val Met Lys Ala Lys Lys Met Arg Asn
 1 5 10 15

Arg Ile Ile Lys Asn Glu Leu Arg Ser Phe Lys Arg Gln Leu Ser
 20 25 30

<210> 1110
<211> 71
<212> PRT
<213> Homo sapiens

<220>
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<400> 1110
Lys Ile Met Ala Ser Pro Asp Trp Gly Tyr Asp Asp Lys Xaa Gly Pro
1 5 10 15

Glu Gln Trp Ser Lys Leu Tyr Pro Ile Ala Asn Gly Asn Xaa Gln Ser
 20 25 30

Pro Val Asp Ile Xaa Xaa Ser Glu Thr Lys His Asp Thr Ser Leu Xaa
 35 40 45

Pro Ile Ser Val Ser Tyr Asn Pro Xaa Thr Xaa Lys Glu Ile Xaa Gln
 50 55 60

Cys Gly Gly Ile Pro Ser Met
 65 70

<210> 1111

<211> 88

<212> PRT

<213> Homo sapiens

<220>

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<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1111

Lys Ile Met Ala Ser Pro Asp Trp Gly Tyr Asp Asp Lys Asn Gly Pro
 1 5 10 15

Glu Gln Trp Ser Lys Leu Tyr Pro Ile Ala Asn Gly Asn Asn Gln Ser
 20 25 30

Pro Val Asp Ile Lys Thr Ser Glu Thr Lys His Asp Thr Ser Leu Lys
 35 40 45

Pro Ile Ser Val Ser Tyr Asn Pro Ala Thr Ala Lys Glu Ile Ile Asn
 50 55 60

Val Gly His Ser Phe His Val Asn Phe Glu Asp Asn Asp Xaa Arg Ser
 65 70 75 80

Ser Ala Glu Arg Trp Ser Phe Leu
 85

<210> 1112

<211> 120

<212> PRT

<213> Homo sapiens

<220>
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<400> 1112
Gly Ala Asp Ser Cys Pro Ala Pro Thr Ala Xaa Arg Thr Xaa Ser His
1 5 10 15
Xaa Trp Gly Tyr Gly Lys His Asn Gly Pro Lys His Trp His Lys Asp
20 25 30
Phe Pro Ile Ala Lys Gly Arg Ala Pro Val Pro Leu Leu Xaa Ser Thr
35 40 45
Leu His Thr Ala Lys Xaa Glu Pro Phe Xaa Glu Ser Pro Cys Leu Phe

50 55 60
Pro Met Asn Gln Ala Thr Ser Leu Arg Ile Leu Asn Asn Gly His Ala
65 70 75 80
Phe Asn Val Gly Val Xaa Met Thr Leu Xaa Asp Lys Ala Val Leu Gln
85 90 95
Gly Lys Asp Pro Trp Val Gly His Phe Thr Asp Trp Phe Ser Phe Phe
100 105 110
Gln Phe Ser Met Gly Val Ser Ile
115 120

<210> 1113

<211> 50

<212> PRT

<213> Homo sapiens

<220>

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<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1113

Met Leu Leu Glu Asn Lys Ala Ser Ile Phe Gly Gly Gly Leu Pro Ala
1 5 10 15

Pro Tyr Gln Val Lys Xaa Leu His Leu His Trp Ser Asp Leu Pro Tyr
20 25 30

Lys Gly Ser Xaa His Ser Leu Glu Trp Gly Ala Leu Cys His Gly Arg
35 40 45

Cys Thr
50

<210> 1114

<211> 84

<212> PRT

<213> Homo sapiens

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<220>
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<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1114

Lys Pro Phe Lys Met Ile Pro Gly Val Val Asp Gly Val Phe Leu Pro
1 5 10 15

Arg His Pro Gln Xaa Leu Leu Ala Ser Ala Asp Phe Gln Pro Val Pro
20 25 30

Xaa Ile Val Gly Val Asn Asn Asn Glu Phe Gly Trp Leu Ile Pro Lys
35 40 45

Val Met Xaa Ile Tyr Asp Thr Gln Xaa Glu Met Asp Arg Xaa Ala Ser
50 55 60

Xaa Ala Ala Leu Gln Lys Met Leu Thr Leu Ile Cys Leu Leu His
65 70 75 80

Leu Val Thr Cys

<210> 1115
<211> 40
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1115
Cys Thr Gln Glu Leu Phe Ile Pro Asn Ile Thr Val Asn Asn Arg Gly
1 5 10 15
Ser Xaa Xaa Cys Gln Ala His Asn Ser Thr Leu Ala Leu Ile Gly Ala
20 25 30
Gln Ser Arg Ile Ser Xaa Ser Met
35 40

<210> 1116
<211> 151
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1116
Gly Thr Ala Glu Leu Thr Val Thr Ala Ala Leu Thr Arg Glu Phe Leu
1 5 10 15

Glu Pro Lys Leu Phe Ser Thr Glu Asp Lys Gln Ala Ala Glu Thr Met
 20 25 30
 Gly Ser Pro Ser Ala Cys Pro Tyr Arg Val Cys Ile Pro Trp Gln Gly
 35 40 45
 Leu Leu Leu Thr Ala Ser Leu Leu Thr Phe Trp Asn Leu Pro Asn Ser
 50 55 60
 Ala Gln Thr Asn Ile Asp Val Val Pro Phe Asn Val Ala Glu Gly Lys
 65 70 75 80
 Glu Val Leu Leu Val Val His Asn Glu Ser Gln Asn Leu Tyr Gly Tyr
 85 90 95
 Asn Trp Tyr Lys Gly Glu Arg Val His Ala Asn Tyr Arg Ile Ile Gly
 100 105 110
 Tyr Cys Lys Lys Tyr Lys Ser Arg Lys Cys Pro Arg Pro Asp Thr Thr
 115 120 125
 Ser Arg Asp Xaa Tyr Pro Met Glu Pro Cys Val Pro Xaa Val Pro His
 130 135 140
 Ala Gln Asp Phe Ser Ser Leu
 145 150

<210> 1117

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1117

Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Thr Ala Leu Glu Leu
 1 5 10 15
 Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Arg Pro Gly Leu
 20 25 30

Ala Arg Xaa Pro Arg Arg Gly Leu Glu Ala Arg Pro Gly Ala Pro Glu
35 40 45
Arg Glu Ser Glu Arg Arg Arg Gly Asp Gln Ile Asn Ala Ser Lys Asn
50 55 60
Glu Glu Asp Ala Gly Lys Met Phe Val Gly Gly Leu Ser Trp Asp Thr
65 70 75 80
Ser Lys Lys Asp Leu Lys Asp Tyr Phe Thr Lys Phe Gly Glu Val Val
85 90 95
Asp Cys Thr Ile Lys Met Asp Pro Asn Thr Gly Arg Ser Arg Gly Phe
100 105 110
Xaa Phe Ile
115

<210> 1118

<211> 50

<212> PRT

<213> Homo sapiens

<220>

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<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1118
Arg Pro Thr Xaa Pro Gly Arg Thr Met Ala Arg Gly Ala Xaa Leu Xaa
1 5 10 15
Leu Leu Leu Xaa Gly Leu Leu Gly Val Leu Val Xaa Xaa Pro Asp Gly
20 25 30
Gly Phe Asp Leu Ser Asp Ala Leu Xaa Asp Asn Glu Asn Lys Lys Pro
35 40 45
Thr Ala
50

<210> 1119
<211> 147
<212> PRT
<213> Homo sapiens

<220>
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<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1119
Xaa Ser Glu Cys Lys Ser Pro Ser Glu Pro Xaa Ile Xaa Lys Arg Val

1 5 10 15
 Gly Leu Ile His Ile Ser Gln Val Ile Ser Glu Ile Asp Gly Asn Arg
 20 25 30
 Met Thr Leu Ser Gln Glu Gly Ala Gln Asp Ser Phe Pro Leu Gln Gln
 35 40 45
 Lys Ile Leu Val Cys Ser Leu Met Leu Leu Ile Arg Gln Leu Lys Ile
 50 55 60
 Lys Glu Val Thr Leu Gly Lys Leu Tyr Glu Ala Tyr Ser Lys Val Cys
 65 70 75 80
 Arg Lys Gln Gln Val Ala Ala Val Asp Gln Ser Glu Cys Leu Xaa Leu
 85 90 95
 Ser Gly Leu Leu Glu Ala Arg Gly Ile Leu Gly Leu Lys Arg Asn Lys
 100 105 110
 Glu Thr Arg Leu Thr Lys Val Phe Phe Lys Ile Glu Glu Lys Glu Ile
 115 120 125
 Glu His Ala Leu Lys Asp Lys Ala Leu Ile Gly Asn Ile Leu Ala Thr
 130 135 140
 Gly Leu Pro
 145

<210> 1120
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 1120
 His Glu Arg Asn Met Glu Arg Leu Thr Leu Ala Cys Gly Gly Val Ala
 1 5 10 15
 Leu Asn Ser Phe Glu Asp Leu Ser Pro Asp Cys Leu Gly His Ala Gly
 20 25 30
 Leu Val Tyr Glu Tyr Thr Leu Gly Glu Val His Leu Tyr
 35 40 45

<210> 1121
 <211> 67
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1121

Asn Trp Arg Met Arg Met Xaa His Val Met Leu Pro Lys Asp Ile Ala
1 5 10 15

Lys Leu Val Pro Lys Thr His Leu Met Ser Glu Ser Glu Trp Arg Asn
20 25 30

Leu Gly Val Gln Gln Ser Gln Gly Trp Val His Tyr Met Ile His Glu
35 40 45

Pro Glu Pro Xaa Xaa Leu Leu Phe Arg Gly His Xaa Gln Glu Pro Arg
50 55 60

Asn Xaa Val

65

<210> 1122

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1122

Ser Cys Cys Leu Gly Trp Thr Trp Phe Cys Leu Leu Xaa Pro Leu Leu
1 5 10 15

Xaa Leu Xaa Xaa Asn Xaa Xaa Gln Xaa Ala Ser Xaa Met Val His Lys
20 25 30

Gln Ile Tyr Tyr Ser Asp Lys Tyr Xaa Xaa Glu His Tyr Glu Xaa Arg
35 40 45

Asp Gly Met Leu Pro Arg Glu Leu Asp Lys Gln Xaa Pro Lys Thr Xaa
50 55 60

<210> 1123

<211> 155

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1123

Gln Leu Val Gly Pro Pro Gly Leu Gln Xaa Phe Gly Ser Xaa Xaa Lys
 1 5 10 15

Pro Tyr Gly Val Thr Ala Met Cys Trp Asn Trp Glu Gln Val Xaa Ala
 20 25 30

Ala Gly Arg His Pro Glu Ser Arg Pro Phe Arg Phe Thr Gly Ala Ala
 35 40 45

Thr Ser Pro Arg Ser Ser Cys Ser Arg Ala Cys Ile Val Lys Val Val
 50 55 60

Arg Arg Arg Leu Ala Glu Lys Arg Ile Gly Val Arg Asp Val Arg Leu
 65 70 75 80

Asn Gly Ser Ala Ala Ser His Val Leu His Gln Asp Ser Gly Leu Gly
 85 90 95

Tyr Lys Asp Leu Asp Leu Ile Phe Cys Ala Asp Leu Arg Gly Glu Gly
 100 105 110

Glu Phe Gln Thr Val Lys Asp Val Val Leu Asp Cys Leu Leu Asp Phe
 115 120 125

Leu Pro Glu Gly Val Asn Lys Glu Lys Ile Thr Pro Leu Thr Xaa Lys
 130 135 140

Glu Ala Tyr Val Gln Lys Met Val Lys Val Cys
 145 150 155

<210> 1124

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1124

Ala Lys Ser Phe Glu Tyr Xaa Ala Arg Ile Phe Lys Gln His Phe Met
1 5 10 15

Asp Ser Arg Ile Pro Cys Leu Ile Val Ala Ala Lys Ser Asp Leu His
20 25 30

Glu Val Lys Gln Glu Tyr Ser Ile Ser Pro Thr Asp Phe Cys Arg Lys
35 40 45

His Lys Met Pro Pro Pro Gln Ala Phe Thr Cys Asn Thr Ala Asp Ala
50 55 60

Pro Ser Lys Asp Ile Phe Gly Lys Leu Thr Thr Met Ala Met Tyr Pro
65 70 75 80

His Ala Arg Leu Arg Cys Xaa Cys Thr Cys Asn Arg Cys Thr Phe Cys
85 90 95

Xaa Cys Xaa Asn Phe Leu Asn Leu Tyr Phe Ala Ala Asn Xaa Val Lys
100 105 110

Glu Gln Lys Ser Phe
115

<210> 1125

<211> 169

<212> PRT

<213> Homo sapiens

<400> 1125

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Ile Met Lys Leu Leu Thr Arg Ala Gly Ser Phe Ser Arg Phe Tyr Ser
 1             5             10             15

Leu Lys Val Ala Pro Lys Val Lys Ala Thr Ala Ala Pro Ala Gly Ala
      20             25             30

Pro Pro Gln Pro Gln Asp Leu Glu Phe Thr Lys Leu Pro Asn Gly Leu
      35             40             45

Val Ile Ala Ser Leu Glu Asn Tyr Ser Pro Val Ser Arg Ile Gly Leu
      50             55             60

Phe Ile Lys Ala Gly Ser Arg Tyr Glu Asp Phe Ser Asn Leu Gly Thr
      65             70             75             80

Thr His Leu Leu Arg Leu Thr Ser Ser Leu Thr Thr Lys Gly Ala Ser
      85             90             95

Ser Phe Lys Ile Thr Arg Gly Ile Glu Ala Val Gly Gly Lys Leu Ser
      100            105            110

Val Thr Ala Thr Arg Glu Asn Met Ala Tyr Thr Val Glu Cys Leu Arg
      115            120            125

Gly Asp Val Asp Ile Leu Met Glu Phe Leu Leu Asn Val Thr Thr Ala
      130            135            140

Pro Glu Phe Arg Arg Trp Glu Val Ala Asp Leu Gln Pro Gln Leu Lys
      145            150            155            160

Ile Asp Lys Ala Val Ala Phe Gln Asn
      165

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<210> 1126

<211> 56

<212> PRT

<213> Homo sapiens

<400> 1126

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Pro Pro Val Val His Lys Asn Pro Ile His Ile Lys Thr Pro Ser Pro
 1             5             10             15

Cys Leu Gln Ala Ser Thr Ala Ile Asn Pro Gln Leu Ser His Ile Asn
      20             25             30

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Cys Asn Ser Lys Ala Thr Pro His Pro Leu Gly Tyr Gln Gln Thr Tyr
 35 40 45

Pro Pro Leu Thr Val His Ser Thr
 50 55

<210> 1127

<211> 195

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1127

Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Ala Ala Leu Glu Leu
 1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Gly Gly Cys Val
 20 25 30

Leu Gly Lys Ala Gly Gly Xaa Gly Gly Arg Leu Phe Tyr Gly Ser Arg
 35 40 45

Asp Arg Pro Val Leu Leu Pro Phe Pro Pro Ser Leu Pro Pro Leu Ser
 50 55 60

Arg Arg Gly Ala Ala Ala Ala Leu Asp Phe Ala Val Phe Pro Arg Gly
 65 70 75 80

Asp Arg Phe Gln His Tyr Thr Cys Thr Met Ser Leu Lys Pro Arg Val
 85 90 95

Val Asp Phe Asp Glu Thr Trp Asn Lys Leu Leu Thr Thr Ile Lys Ala
 100 105 110

Val Val Met Leu Glu Tyr Val Glu Arg Ala Thr Trp Asn Asp Arg Phe
 115 120 125

Ser Asp Ile Tyr Ala Leu Cys Val Ala Tyr Pro Glu Pro Leu Gly Glu
 130 135 140

Arg Leu Tyr Thr Glu Thr Lys Ile Phe Leu Glu Asn His Val Arg His
 145 150 155 160

Leu His Lys Arg Val Leu Glu Ser Glu Glu Gln Val Leu Val Met Tyr
 165 170 175

His Arg Tyr Trp Glu Glu Tyr Ser Lys Gly Ala Asp Tyr Met Asp Cys
180 185 190

Leu Tyr Arg
195

<210> 1128

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1128

Ser Ile Ile Asp Arg Phe Met Gln Asn Asn Cys Val Pro Lys Lys Met
1 5 10 15

Leu Gln Leu Val Gly Val Thr Ala Met Phe Ile Ala Ser Lys Tyr Glu
20 25 30

Glu Met Tyr Pro Pro Glu Ile Gly Asp Phe Ala Phe Val Thr Asp Asn
35 40 45

Thr Tyr Thr Lys His Gln Ile Arg Gln Met Glu Met Lys Ile Leu Arg
50 55 60

Ala Leu Asn Phe Gly Leu Gly Arg Pro Leu Pro Leu His Phe Leu Arg
65 70 75 80

Arg Ala Ser Lys Ile Gly Glu Val Asp Val Glu Gln His Thr Leu Ala
85 90 95

Lys Tyr Leu Met Glu Leu Thr Met Leu Asp Tyr Asp Met Val His Phe
100 105 110

Pro Pro Ser Xaa Ile Ala Ala Gly Ala Xaa Cys Leu Ala Leu Lys Ile
115 120 125

Leu Gly
130

<210> 1129

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1129

Gly Asp Glu Glu Ala Cys Pro Glu Asp Lys Gly Pro Gln Asp Pro Gln
 1 5 10 15

Ala Leu Ala Leu Asp Thr Gln Ile Pro Ala Thr Pro Gly Pro Lys Pro
 20 25 30

Leu Val Arg Thr Ser Arg Glu Pro Gly Lys Asp Val Thr Thr Ser Gly
 35 40 45

Tyr Ser Ser Val Ser Thr Ala Ser Pro Thr Ser Ser Val Asp Gly Gly
 50 55 60

Leu Gly Ala Leu Pro Gln Pro Thr Ser Val Leu Ser Leu Asp Ser Asp
 65 70 75 80

Ser His Thr Gln Pro Cys His His Gln Xaa Arg Lys Ser Cys Leu Gln
 85 90 95

Cys Arg Pro Pro Ser Pro Pro Glu Ser Ser Val Pro Gln Gln Gln Val
 100 105 110

Lys Arg Ile Asn Tyr Ala Tyr Thr Val Lys Arg Arg Thr
 115 120 125

<210> 1130

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1130

Xaa Thr Arg Pro Pro Thr Arg Pro Pro Thr Arg Pro Gln Ile Pro Ser
1 5 10 15
Val Ala Ala Lys Met Met Cys Gly Ala Pro Ser Ala Thr Gln Pro Ala
20 25 30
Thr Ala Glu Thr Gln His Ile Ala Asp Gln Val Arg Ser Gln Leu Glu
35 40 45
Glu Lys Glu Asn Lys Lys Phe Pro Val Phe Lys Ala Val Ser Phe Lys
50 55 60
Ser Gln Val Val Ala Gly Thr Asn Tyr Phe Ile Lys Val His Val Gly
65 70 75 80
Asp Glu Asp Phe Val His Leu Arg Val Phe Gln Ser Leu Pro His Glu
85 90 95
Asn Lys Pro Leu Thr Leu Ser Asn Tyr Gln Thr Asn Lys Ala Lys His
100 105 110
Asp Glu Leu Thr Tyr Phe
115

<210> 1131
<211> 64
<212> PRT
<213> Homo sapiens

<400> 1131
Ala Val Pro Thr Leu Gly Leu Lys Thr Asp Ala Ile Pro Gly Arg Leu
1 5 10 15
Asn Gln Thr Thr Phe Thr Ala Thr Arg Pro Gly Val Tyr Tyr Gly Gln
20 25 30
Cys Ser Glu Ile Cys Gly Ala Asn His Ser Phe Met Pro Ile Val Leu
35 40 45
Glu Leu Ile Pro Leu Lys Ile Phe Glu Ile Gly Pro Val Phe Thr Leu
50 55 60

<210> 1132
<211> 35

<212> PRT

<213> Homo sapiens

<400> 1132

Ala Arg Ala His Lys Glu Ile Tyr Pro Tyr Val Ile Gln Glu Leu Arg
1 5 10 15

Pro Thr Leu Asn Glu Leu Gly Ile Ser Thr Pro Glu Glu Leu Gly Leu
20 25 30

Asp Lys Val
35

<210> 1133

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1133

Pro Tyr Thr Asn Asp Gly Ala Met Xaa His Glu Glu Ser Thr Tyr Gln
1 5 10 15

Gly His His Thr Pro Pro Val Gln Lys Xaa Leu Arg Tyr Gly Ile Ile
20 25 30

Leu Phe Ile Thr Ser Glu Val Phe Phe Phe Ala Gly Phe Ser Glu Leu
35 40 45

Leu His Ser Ser Leu Ala Leu Pro Pro Thr Lys Lys Xaa Leu Ala Pro

50

55

60

Thr Xaa Ile Thr Arg
65

<210> 1134

<211> 64

<212> PRT

<213> Homo sapiens

<400> 1134

Ala Val Pro Thr Leu Gly Leu Lys Thr Asp Ala Ile Pro Gly Arg Leu
1 5 10 15

Asn Gln Thr Thr Phe Thr Ala Thr Arg Pro Gly Val Tyr Tyr Gly Gln
20 25 30

Cys Ser Glu Ile Cys Gly Ala Asn His Ser Phe Met Pro Ile Val Leu
35 40 45

Glu Leu Ile Pro Leu Lys Ile Phe Glu Ile Gly Pro Val Phe Thr Leu
50 55 60

<210> 1135

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1135

Thr Tyr Xaa Val His Arg Leu Arg Arg Thr Asn Leu Gln Leu Leu His
1 5 10 15

Thr Ser Pro Leu Phe Leu Glu Pro Gly Asp Leu Arg Leu Leu Asp Val
20 25 30

Asp Asn Arg Val Val Leu Pro Ile Glu Ala Pro Ile Arg Ile Ile Ile
35 40 45

Thr Ser Gln Asp Val Leu His Ser

50

55

<210> 1136

<211> 60

<212> PRT

<213> Homo sapiens

<400> 1136

Ala Gln Val Gly Leu Gln Asp Ala Thr Ser Pro Ile Ile Glu Glu Leu
1 5 10 15

Ile Thr Phe His Asp His Ala Leu Ile Ile Ile Phe Leu Ile Cys Phe
20 25 30

Leu Val Leu Tyr Ala Leu Phe Leu Thr Leu Thr Thr Lys Leu Thr Asn
35 40 45

Thr Asn Ile Ser Asp Ala Gln Glu Ile Glu Thr Val
50 55 60

<210> 1137

<211> 49

<212> PRT

<213> Homo sapiens

<400> 1137

Thr Tyr Glu Tyr Thr Asp Tyr Gly Gly Leu Ile Phe Asn Ser Tyr Ile
1 5 10 15

Leu Pro Pro Leu Phe Leu Glu Pro Gly Asp Leu Arg Leu Leu Asp Val
20 25 30

Asp Asn Arg Val Val Leu Pro Ile Glu Ala Pro Ile Arg Ile Ile Ile
35 40 45

Asn

<210> 1138

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1138

Ala	Val	Pro	Thr	Leu	Gly	Leu	Lys	Thr	Asp	Ala	Ile	Pro	Gly	Arg	Leu
1				5				10					15		

Asn	Gln	Thr	Thr	Phe	Thr	Ala	Thr	Arg	Pro	Gly	Val	Tyr	Tyr	Gly	Gln
		20					25					30			

Cys	Ser	Glu	Ile	Cys	Gly	Ala	Asn	His	Ser	Phe	Met	Pro	Ile	Val	Leu
	35						40					45			

Glu	Leu	Ile	Pro	Leu	Lys	Ile	Phe	Gly	Asn	Arg	Ala	Arg	Ile	Tyr	Pro
	50				55						60				

Ile	Ala	Pro	Pro	Leu	Pro	Pro	Leu	Glu	Xaa	Lys	Lys	Lys	Lys	Xaa	Xaa
65				70						75				80	

<210> 1139

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1139

Phe Glu Ala Asn Asp Pro Ser Leu Thr Ile Lys Ser Ile Gly His Gln
1 5 10 15
Xaa Tyr Arg Thr Tyr Glu Tyr Thr Asp Tyr Gly Gly Leu Ile Phe Asn
20 25 30
Ser Tyr Ile Leu Pro Pro Leu Phe Leu Glu Pro Gly Asp Leu Arg Leu
35 40 45
Leu Asp Xaa Asp Asn Arg Val Val Leu Pro Ile Glu Thr Pro Ile Arg
50 55 60
Ile Ile Ile Thr Tyr Xaa Asp Val Leu His Ser
65 70 75

<210> 1140

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1140

His Xaa Pro Ser Leu Lys Gly Thr Lys Ala Gly Ala Pro Pro Arg Cys
1 5 10 15
Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr
20 25 30
Arg Glu Trp Arg Leu Pro Ser Leu Arg Arg Ala Thr Leu Trp Ile Pro
35 40 45
Gln Trp Phe Ala Lys Lys Ala Ile Phe Asn Ser Pro Leu Glu Ala Ala
50 55 60
Met Ala Phe Pro His Leu Gln Gln Pro Ser Phe Leu Leu Ala Ser Leu
65 70 75 80
Lys Ala Asp Ser Ile Asn Lys Pro Phe Ala Gln Gln Cys Gln Asp Leu
85 90 95
Val Lys Val Ile Glu Asp Phe Pro Ala Lys Ser Glu Pro Ile Arg Val

100 105 110
Leu Val Thr Gly Ala Ala Gly Gln Ile Ala Tyr Ser Leu Leu Tyr Ser
115 120 125
Ile Gly Asn Gly Ser Val Phe Gly Lys Asp Gln Met Ser Ser Gln Gln
130 135 140
Ile Lys Lys Thr Leu Pro Ser Lys Thr Trp Asp Val Ala Ile Leu Val
145 150 155 160
Gly Ser Met Pro Arg Arg Glu Gly Met Glu Arg Lys Asp Leu Leu Lys
165 170 175
Ala Asn Val Lys Ile Phe Lys Ser Gln Gly Ala Ala Leu Asp Lys Tyr
180 185 190
Gly Lys Lys Ser Val Lys Gly Tyr
195 200

<210> 1141

<211> 182

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (157)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (163)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1141
His Glu Glu His Ser Ile Tyr Cys Thr Val Asn Asn Asp Glu Gly Glu
1 5 10 15
Trp Ser Gly Pro Pro Glu Cys Arg Gly Lys Ser Leu Thr Ser Lys
20 25 30
Val Pro Pro Thr Val Gln Lys Pro Thr Thr Val Asn Val Pro Thr Thr
35 40 45
Glu Val Ser Pro Thr Ser Gln Lys Thr Thr Thr Lys Thr Thr Thr Pro
50 55 60
Asn Ala Gln Gly Thr Glu Thr Pro Ser Val Leu Gln Lys His Thr Thr
65 70 75 80
Glu Asn Val Ser Ala Thr Arg Thr Pro Pro Thr Pro Gln Lys Pro Thr
85 90 95
Thr Val Asn Val Pro Ala Thr Ile Val Thr Pro Thr Pro Gln Lys Pro
100 105 110
Thr Thr Leu Met Phe Gln Leu Gln Glu Ser Xaa Gln His Xaa Lys Xaa
115 120 125
His Leu Val Met Phe Gln Leu Gln Xaa Leu Pro Leu Phe Gly Xaa His
130 135 140
Arg Gly Asn Val Arg His His Ser Arg Ala Phe Gly Xaa Ser Phe Lys
145 150 155 160

Thr Phe Xaa Lys Xaa Phe Cys Val Arg Ser Cys Gly Met Phe Cys Xaa
165 170 175

Arg Pro Leu Arg Pro Gly
180

<210> 1142

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1142

Asp Gly Ala Xaa Pro Gly Arg Ala Tyr Ala Leu Leu Leu Leu Ile
1 5 10 15

Cys Phe Asn Val Gly Ser Gly Leu His Leu Gln Val Leu Ser Thr Arg
20 25 30

Asn Glu Asn Lys Leu Leu Pro Lys His Pro His Leu Val Arg Gln Lys
35 40 45

Arg Ala Trp Ile Thr Ala Pro Val Ala Leu Arg Glu Gly Glu Asp Leu
50 55 60

Ser Lys Lys Asn Pro Ile Ala Lys Ile His Ser Asp Leu Ala Glu Glu
65 70 75 80

Arg Gly Leu Lys Ile Thr Tyr Lys Tyr Thr Gly Lys Gly Ile Thr Glu
85 90 95

Pro Pro Phe Gly Ile Phe Val Phe Asn Lys Asp Thr Gly Glu Leu Asn
100 105 110

Val Thr Ser Ile Leu Asp Arg Glu Glu Thr Pro Phe Phe Leu Leu Thr
115 120 125

Gly Leu Arg Phe Gly Cys Lys Arg Glu Gln Cys Arg Xaa Thr Leu
130 135 140

<210> 1143

<211> 111

<212> PRT

<213> Homo sapiens

<400> 1143

Ala Gln Ser Pro Ser Arg Ser Thr Gly Gln Asp Val Ala Ala Glu Trp
1 5 10 15

Gly Ser Glu Glu Ser Val Ala Gly Ser Leu Glu Ala Glu Phe Glu Lys
20 25 30

Ala Ala Glu Glu Val Arg His Leu Lys Thr Lys Pro Ser Asp Glu Glu
35 40 45

Met Leu Phe Ile Tyr Gly His Tyr Lys Gln Ala Thr Val Gly Asp Ile
50 55 60

Asn Thr Glu Arg Pro Gly Met Leu Asp Phe Thr Gly Lys Ala Lys Trp
65 70 75 80

Asp Ala Trp Asn Glu Leu Lys Gly Thr Ser Lys Glu Asp Ala Met Lys
85 90 95

Ala Tyr Ile Asn Lys Val Glu Glu Leu Lys Lys Lys Tyr Gly Ile
100 105 110

<210> 1144

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1144
Ala Cys Ala Tyr Thr Pro Pro Ser Xaa Lys Ala Val Gln Arg Ile Ala
1 5 10 15
Glu Ser His Xaa Gln Ser Xaa Ser Asn Leu Asn Glu Asn Xaa Ala Ser
20 25 30
Glu Glu Glu Xaa Glu Xaa Gly Glu Leu Arg Glu Leu Gly Tyr Pro Arg
35 40 45
Glu Glu Asp Glu Glu Glu Glu Xaa Asp Glu Glu Glu Glu Asp Xaa
50 55 60
Glu Asp Ser Xaa Ala Glu Asp Xaa Ser Gly
65 70

<210> 1145
<211> 153
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (35)
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<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1145

Asn Xaa Pro Asn Ala Glu Leu Gly Gly Pro Phe Asn Gln Met Asn Gly
1 5 10 15

Val Xaa Gly Asn Gly Met Asn Asn Ile Asp Met Thr Gly Xaa Lys Lys
20 25 30

Ser Leu Xaa Leu Pro Tyr Pro Ser Ser Phe Ala Pro Val Ser Xaa Pro
35 40 45

Arg Asn Gln Thr Phe Thr Tyr Met Gly Lys Xaa Ser Ile Asp Pro Gln
50 55 60

Tyr Pro Gly Ala Ser Xaa Tyr Pro Glu Gly Ile Ile Asn Ile Val Ser
65 70 75 80

Ala Gly Ile Leu Gln Gly Val Thr Ser Pro Ala Ser Thr Thr Ala Ser
85 90 95

Ser Ser Val Thr Ser Ala Ser Pro Asn Pro Leu Ala Thr Xaa Pro Leu
100 105 110

Gly Val Cys Thr Met Ser Gln Thr Gln Pro Asp Leu Asp His Leu Tyr
115 120 125

Ser Pro Pro Xaa Pro Pro Pro Tyr Ser Gly Cys Ala Gly Xaa Leu
130 135 140

Tyr Gln Asp Pro Ser Ala Phe Leu Leu
145 150

<210> 1146

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1146

Xaa Phe Gln Ile Asp Pro Xaa Leu Gly Thr Val Gly Phe Gly Ser Gly
1 5 10 15

Leu His Gly Trp Ala Phe Thr Leu Lys Ala Val Cys Arg Glu Cys Met
20 25 30

<210> 1147

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1147

Ala Xaa His Gln Arg Xaa Xaa Xaa Ile Lys Arg Leu Ser Thr Glu His
1 5 10 15

Ser Ser Val Ser Glu Tyr His Pro Ala Asp Gly Tyr Ala Phe Ser Ser
20 25 30

Asn Ile Tyr Thr Arg Gly Ser His Leu Asp Gln Gly Glu Ala Ala Val
35 40 45

Ala Phe Lys Pro Thr Ser Asn Arg His Ile Arg Leu Lys Leu
50 55 60

<210> 1148
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1148
Gly Arg Ala Leu Arg Ala Xaa Arg Leu Thr Gln Leu Thr Glu Ile Leu
1 5 10 15
Ser Gly Gly Val Tyr Ile Glu Lys Asn Asp Lys Leu Cys His Met Asp
20 25 30
Thr Ile Asp Trp Arg Asp Ile Val Arg Asp Arg Asp Ala Glu Ile Val
35 40 45
Val Lys Asp Asn Gly Xaa Lys Leu Ser Pro Leu Ser
50 55 60

<210> 1149
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1149
Phe Gln Thr Arg Asn Leu Gln Val Thr Leu Glu Asp Gly Tyr Ile Glu
1 5 10 15
Leu Ser Thr Ser Asp Arg Xaa Gly Pro Ile Phe Lys Ser Pro Gln Thr
20 25 30

Tyr Met Asp Gly Leu Leu His Tyr Val Ser Val Ile Ser Asp Asn Ser
 35 40 45

Gly

<210> 1150

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1150

Pro Ala Ala Arg Xaa Xaa Val Pro Arg Ala Met Glu Arg Ala Ser Leu
 1 5 10 15

Ile Gln Lys Ala Xaa Leu Ala Glu Gln Ala Glu Arg Tyr Glu Asp Met
 20 25 30

Ala Ala Phe Met Xaa Gly Ala Val Glu Lys Gly Glu Glu Ser Pro Ala
 35 40 45

Lys Ser Glu Thr Cys Ser Gln
 50 55

<210> 1151

<211> 162

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1151

Val	Ser	Xaa	Gly	Thr	Gly	Asn	Ser	Arg	Val	Arg	Thr	His	Xaa	Val	Pro
1				5					10					15	
Pro	Arg	Pro	Leu	Pro	Cys	Ser	Glu	Gly	Gly	Glu	Arg	Leu	Leu	Pro	Thr
			20					25					30		
Gln	Lys	Gln	Pro	Gly	Gly	Gly	Gln	Val	Asn	Ser	Ser	Arg	Tyr	Lys	Thr
		35					40					45			
Glu	Leu	Cys	Arg	Pro	Phe	Glu	Glu	Asn	Gly	Ala	Cys	Lys	Tyr	Gly	Asp
	50					55						60			
Lys	Cys	Gln	Phe	Ala	His	Gly	Ile	His	Glu	Leu	Arg	Ser	Leu	Thr	Arg
	65				70					75				80	
His	Pro	Lys	Tyr	Lys	Thr	Glu	Leu	Cys	Arg	Thr	Phe	His	Thr	Ile	Gly
			85						90					95	
Phe	Cys	Pro	Tyr	Gly	Pro	Arg	Cys	His	Phe	Ile	His	Asn	Ala	Glu	Glu
		100						105					110		
Arg	Arg	Ala	Leu	Ala	Gly	Ala	Arg	Asp	Leu	Ser	Ala	Asp	Arg	Pro	Arg
		115					120					125			
Leu	Gln	His	Ser	Phe	Ser	Leu	Leu	Gly	Phe	Pro	Val	Pro	Leu	Pro	Pro
	130						135					140			
Pro	Leu	Pro	Pro	Gly	Cys	Trp	Thr	Ala	His	Val	His	Gln	Pro	Asn	Pro
	145				150					155				160	
Tyr	Phe														

<210> 1152

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1152

His Glu Gly Ala Ser Arg Cys Gly His Leu Cys Arg Gly Arg Xaa Ala
1 5 10 15

Ala Ser Tyr Pro Ala Leu Arg Ala Ser Leu Leu Pro Gln Ser Leu Ala
20 25 30

Ala Ala Ala Ala Phe Pro Thr Arg Xaa Asn Ser Gln Glu Ser Lys Thr
35 40 45

Thr Tyr Leu Glu Asp Leu Pro Pro Pro Glu Tyr Glu Leu Ala Pro
50 55 60

Ser Lys Leu Glu Glu Glu Val Asp Asp Val Phe Leu Ile Arg Ala Gln
65 70 75 80

Gly Leu Pro Trp Val Met Ala Leu Trp Glu Asp Val Ala Leu Thr Phe
85 90 95

Phe Phe Gln Thr Cys Arg Ile Arg Gln Arg Leu Ser Asn Gly Asn Tyr
100 105 110

Ile Xaa Leu Pro Lys Asn Lys Arg Trp Gly Lys Thr
115 120

<210> 1153

<211> 151

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (149)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1153
Ala Met Val Arg Leu Val Lys Cys Asp Val Tyr Pro Cys Pro Asn Thr
1 5 10 15
Val Asp Cys Phe Val Ser Arg Pro Thr Glu Lys Thr Val Phe Thr Val
20 25 30
Phe Met Leu Ala Ala Ser Gly Ile Cys Ile Ile Leu Asn Val Ala Glu
35 40 45
Val Val Tyr Leu Ile Ile Arg Ala Cys Ala Arg Arg Ala Gln Arg Arg
50 55 60
Ser Asn Pro Pro Ser Arg Lys Gly Ser Gly Phe Gly His Arg Leu Ser
65 70 75 80
Pro Glu Tyr Lys Gln Asn Glu Ile Asn Lys Leu Leu Ser Glu Gln Asp
85 90 95
Gly Ser Leu Lys Asp Ile Leu Arg Xaa Thr Leu Ala Arg Gly Leu Gly
100 105 110
Trp Leu Lys Lys Thr Thr Val Leu Gly Cys Asp Ala Thr Tyr Gln Ala
115 120 125
Thr Ser His Pro Thr Pro Thr Leu Pro Gly Arg Xaa Pro Pro Ser Pro
130 135 140
Cys Arg Xaa Pro Xaa Ala His
145 150

<210> 1154
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1154
Gly Ser Pro Trp Pro Asn Ser Cys Arg Pro Glu Ala Arg Arg Asp Arg
1 5 10 15

Leu Gln Pro Leu Gly Gly Val Cys Glu Xaa Ala Ser Glu His Asp Val
20 25 30

Val Asn Leu Gly Xaa Gly Phe Pro Asp Phe Pro Pro Pro Asp Phe Ala
35 40 45

Val Glu Ala Phe Gln His Ala Val Ser Gly Asp Phe Met Leu Asn Gln
50 55 60

Tyr Thr Lys Thr Phe Gly Tyr Pro Pro Leu Asp Glu Asp Pro Gly Asn
65 70 75 80

Phe Phe Gly Gly Ala Ala Gly Ser Arg Ile Arg Pro Val Gln Gly Cys
85 90 95

Ala Gly Asp Cys Trp Trp Xaa Trp Gly Pro Val Ser Lys Ala Xaa Pro
100 105 110

Gly

<210> 1155

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1155

Gly Thr Thr Val Arg Asp Tyr Thr Gln Met Asn Glu Leu Gln Arg Arg
 1 5 10 15

Leu Gly Pro Arg Gly Leu Val Val Leu Gly Phe Pro Cys Asn Gln Phe
 20 25 30

Gly His Gln Glu Asn Ala Lys Asn Glu Glu Ile Leu Asn Ser Leu Lys
 35 40 45

Tyr Val Arg Pro Gly Gly Gly Phe Glu Pro Asn Phe Met Leu Phe Glu
 50 55 60

Lys Cys Glu Val Asn Gly Ala Gly Ala His Pro Leu Phe Xaa Phe Leu
 65 70 75 80

Arg Glu Ala Leu Pro Ala Pro Ser Asp Asp Xaa Thr Ala Leu Met Thr
 85 90 95

Asp Pro Lys Leu Ile Thr Trp Ser
 100

<210> 1156

<211> 38

<212> PRT

<213> Homo sapiens

<400> 1156

Ala Phe Ile Ala Lys Ser Phe Tyr Asp Leu Ser Ala Ile Ser Leu Asp
 1 5 10 15

Gly Glu Lys Val Asp Phe Asn Thr Ser Arg Gly Arg Ala Val Leu Ile

20

25

30

Glu Asn Val Ala Ser Leu
35

<210> 1157

<211> 63

<212> PRT

<213> Homo sapiens

<400> 1157

Asp Thr Thr Thr Arg Asp Phe Thr Gln Leu Asn Glu Leu Gln Cys Arg
1 5 10 15

Phe Pro Arg Arg Leu Val Val Leu Gly Phe Pro Cys Asn Gln Phe Gly
20 25 30

His Gln Ser Arg Arg Asp Arg Ser Ser Lys Pro Ser Phe Glu Met Ser
35 40 45

Leu Gln Pro Gln Lys Tyr Leu Gln Pro His Thr Ile Ser Ser Ala
50 55 60

<210> 1158

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1158

Thr Leu Lys Phe Phe Pro Ala Ser Ala Asp Arg Thr Val Ile Asp Tyr
1 5 10 15

Asn Gly Glu Arg Thr Leu Asp Gly Phe Lys Lys Phe Leu Glu Ser Gly
20 25 30

Gly Gln Asp Gly Ala Gly Asp Asp Asp Asp Leu Glu Asp Leu Glu Glu
35 40 45

Ala Xaa Glu Pro Asp Met Glu Glu Asp Asp Asp Gln Lys Ala Val Lys
50 55 60

Asp Glu Leu

65

<210> 1159

<211> 214

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (202)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (207)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1159

Ala Val Ile Met Gly Ala Pro Gly Ser Gly Lys Gly Thr Val Ser Ser
1 5 10 15

Arg Ile Thr Thr His Phe Glu Leu Lys His Leu Ser Ser Gly Asp Leu
20 25 30

Leu Arg Asp Asn Met Leu Arg Gly Thr Glu Ile Gly Val Leu Ala Lys
35 40 45

Ala Phe Ile Asp Gln Gly Lys Leu Ile Pro Asp Asp Val Met Thr Arg
50 55 60

Leu Ala Leu His Glu Leu Lys Asn Leu Thr Gln Tyr Ser Trp Leu Leu
65 70 75 80

Asp Gly Phe Pro Arg Thr Leu Pro Gln Ala Glu Ala Leu Asp Arg Ala
85 90 95

Tyr Gln Ile Asp Thr Val Ile Asn Leu Asn Val Pro Phe Glu Val Ile
100 105 110

Lys Gln Arg Leu Thr Ala Arg Trp Ile His Pro Ala Ser Gly Arg Val
115 120 125

Tyr Asn Ile Glu Phe Asn Pro Pro Lys Thr Val Gly Ile Asp Asp Leu
130 135 140

Thr Gly Glu Pro Leu Ile Gln Arg Glu Asp Asp Lys Pro Glu Thr Val
145 150 155 160

Ile Lys Arg Leu Lys Ala Tyr Glu Asp Gln Thr Lys Pro Val Leu Glu

165 170 175
Tyr Tyr Gln Lys Lys Gly Val Leu Glu Thr Phe Ser Gly Thr Glu Thr
180 185 190
Asn Lys Ile Trp Pro Tyr Val Tyr Ala Xaa Leu Gln Leu Lys Xaa His
195 200 205
Lys Glu Ala Arg Lys Leu
210

<210> 1160
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1160
Leu Xaa Ser Xaa Lys Trp Ile Tyr Asn Gly Phe Ser Ser Val Leu Gln
1 5 10 15
Phe Leu Gly Leu Tyr Lys Lys Ser Gly Lys Leu Val Phe Phe Arg Leu
20 25 30

Gly

<210> 1161
<211> 123
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1161

Gly Asn Ser Lys Thr Glu Asp Gln Arg Asn Glu Glu Lys Ala His Val
1 5 10 15

Xaa Ala Asn Lys Lys Ile Glu Lys Gln Leu Gln Xaa Asp Xaa Gln Val
20 25 30

Tyr Arg Ala Thr His Arg Leu Leu Leu Gly Ala Gly Glu Ser Gly
35 40 45

Lys Ser Thr Ile Val Lys Gln Met Arg Ile Leu His Val Asn Gly Phe
50 55 60

Asn Xaa Asp Ser Glu Lys Ala Thr Lys Val Gln Asp Ile Lys Asn Asn
65 70 75 80

Leu Lys Glu Ala Ile Glu Thr Xaa Val Ala Ala Met Ser Asn Leu Xaa
85 90 95

Ala Pro Arg Gly Ala Gly Gln Pro Arg Glu Thr Ser Ser Glu Trp Thr
100 105 110

Thr Ser Trp Ser Val Met Asn Val Pro Gly Phe
115 120

<210> 1162
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1162
Pro Thr Arg Pro Pro Thr Arg Pro Glu Leu Lys Asp Leu Gln Glu Pro
1 5 10 15
Gln Glu Pro Arg Val Gly Lys Leu Arg Asn Phe Ala Pro Ile Pro Gly
20 25 30
Glu Pro Val Val Pro Ile Leu Cys Ser Asn Pro Asn Phe Pro Glu Glu
35 40 45
Leu Lys Pro Leu Cys Lys Ser Pro Met Pro Arg Xaa Xaa Phe Arg Gly
50 55 60
Trp Arg Lys Ser Leu Xaa Asp Pro Gly His Met Trp Lys Ser Val Xaa
65 70 75 80
Thr Leu Ala Cys Thr Gly Cys
85

<210> 1163
<211> 100
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1163

Val Gln Gly Pro Tyr Val Leu Gly Thr Gly Leu Ile Leu Tyr Ala Leu
1 5 10 15

Ser Lys Glu Ile Tyr Val Ile Ser Ala Glu Thr Phe Thr Ala Leu Ser
20 25 30

Val Leu Gly Val Met Val Tyr Gly Ile Lys Lys Tyr Gly Pro Phe Val
35 40 45

Ala Asp Phe Ala Asp Lys Leu Asn Glu Gln Lys Leu Ala Gln Leu Glu
50 55 60

Glu Ala Xaa Xaa Ala Ser Ile Gln His Ile Gln Asn Ala Ile Asp Thr
65 70 75 80

Glu Lys Ser Gln Gln Ala Leu Val Gln Lys Arg His Tyr Leu Phe Gly
85 90 95

Cys Ala Lys Glu
100

<210> 1164

<211> 186

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1164

Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Val Leu Cys Gly His

1 5 10 15
Leu Ala Lys Met Pro Glu Glu Thr Gln Thr Gln Asp Gln Pro Met Glu
 20 25 30
Glu Glu Glu Val Glu Thr Phe Ala Phe Gln Ala Glu Ile Ala Gln Leu
 35 40 45
Met Ser Leu Ile Ile Asn Thr Phe Tyr Ser Asn Lys Glu Ile Phe Leu
 50 55 60
Arg Glu Leu Ile Ser Asn Ser Ser Asp Ala Leu Asp Lys Ile Arg Tyr
 65 70 75 80
Glu Ser Leu Thr Asp Pro Ser Lys Leu Asp Ser Gly Lys Glu Leu His
 85 90 95
Ile Asn Leu Ile Pro Asn Lys Gln Asp Arg Thr Leu Thr Ile Val Asp
 100 105 110
Thr Gly Ile Gly Met Thr Lys Ala Asp Leu Ile Asn Asn Leu Gly Thr
 115 120 125
Ile Ala Lys Ser Gly Thr Lys Ala Phe Met Glu Ala Leu Gln Ala Gly
 130 135 140
Ala Asp Ile Ser Met Ile Gly Gln Phe Gly Val Gly Phe Tyr Ser Ala
 145 150 155 160
Tyr Leu Val Ala Glu Lys Val Thr Val Ile Xaa Lys His Asn Asp Asp
 165 170 175
Glu Gln Tyr Xaa Trp Glu Ser Ser Ala Gly
 180 185

<210> 1165

<211> 199

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (173)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (191)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (196)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (197)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1165
 Ala Xaa Ile Cys Leu Leu Glu Thr Ala Pro Ser Ser Arg Glu Ser Gln
 1 5 10 15
 Lys Glu Asp Met Ala Ala Gly Gln Arg Glu Ala Arg Pro Gln Val Ser
 20 25 30
 Leu Thr Phe Glu Asp Val Ala Val Leu Phe Thr Trp Asp Glu Trp Arg
 35 40 45
 Lys Leu Ala Pro Ser Xaa Arg Asn Leu Tyr Arg Asp Val Met Leu Glu
 50 55 60
 Asn Tyr Arg Asn Leu Val Ser Leu Gly Leu Ser Phe Thr Lys Pro Lys
 65 70 75 80
 Val Ile Ser Leu Leu Gln Gln Gly Glu Asp Pro Trp Glu Val Glu Lys
 85 90 95
 Asp Ser Ser Gly Val Ser Ser Leu Gly Cys Lys Ser Thr Pro Lys Met
 100 105 110
 Thr Lys Ser Thr Gln Thr Gln Asp Ser Phe Gln Glu Gln Ile Arg Lys
 115 120 125
 Arg Leu Lys Arg Asp Glu Pro Trp Asn Phe Ile Ser Glu Arg Ser Cys
 130 135 140
 Ile Tyr Glu Glu Lys Leu Lys Lys Gln Gln Asp Lys Asn Glu Asn Leu
 145 150 155 160

Gln Ile Ile Ser Val Ala His Thr Lys Ile Leu Thr Xaa Asp Arg Ser
 165 170 175
 His Lys Asn Val Glu Phe Ala Gln Asn Phe Tyr Leu Lys Ser Xaa Phe
 180 185 190
 Ile Lys His Xaa Xaa Ile Ala
 195

<210> 1166
 <211> 91
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1166
 Trp Cys Cys Ser His Leu Trp Phe Gln Gly Arg Ala Thr Pro Glu Asn
 1 5 10 15
 Tyr Leu Phe Gln Gly Arg Gln Glu Cys Tyr Ala Phe Asn Gly Asn Ser
 20 25 30
 Gln Lys Asp Ile Leu Glu Glu Lys Ala Gly Ser Ala Gly Thr Gly Cys
 35 40 45
 Ala Asp Thr Thr Tyr Gly Ala Gly Arg Ala His Gly Pro Cys Ser Ala
 50 55 60
 Glu Phe Gln Pro Arg Val Glu Cys Phe Pro Pro Pro Ser Arg Gly Pro
 65 70 75 80
 Leu Ala Ala Thr Gln Xaa Ala Cys Leu Ala Lys
 85 90

<210> 1167
 <211> 118
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1167

Asn Val Pro Ala Tyr Lys Ser Ser Gly Gln Ile Met Ser Ser Leu Tyr
1 5 10 15

Tyr Ala Asn Ala Leu Phe Ser Lys Tyr Pro Ala Ser Ser Ser Val Phe
20 25 30

Ala Thr Gly Ala Phe Pro Glu Gln Thr Ser Cys Ala Phe Ala Ser Asn
35 40 45

Pro Gln Arg Pro Gly Tyr Gly Ala Gly Ser Gly Ala Ser Phe Ala Ala
50 55 60

Ser Met Gln Gly Leu Tyr Pro Gly Gly Gly Gly Met Ala Gly Gln Ser
65 70 75 80

Ala Xaa Gly Val Tyr Ala Ala Gly Tyr Gly Leu Glu Pro Xaa Ser Phe
85 90 95

Asn Met His Cys Ala Pro Phe Glu Gln Lys Pro Leu Arg Gly Xaa Pro
100 105 110

Xaa Xaa Ile Pro Xaa Arg
115

<210> 1168
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1168
Ser Arg Ser Trp Gly Phe Gly Cys Ser Met Leu Ala Leu Glu Thr Arg
1 5 10 15
Ala Xaa Pro Gly His Xaa Xaa Gly Cys Val Thr Phe Val Leu Asn Asp
20 25 30
His Ser Met Ala Phe Thr Gly Asp Ala Leu Leu Ile Arg Gly Cys Xaa
35 40 45
Arg Thr Asp Phe Gln Gln Gly Cys Cys Gln Asp Leu Val Thr Ile Arg
50 55 60
Ser Met Lys Arg Ser Phe Lys Ile Ser Arg Arg Leu Ser
65 70 75

<210> 1169
<211> 115
<212> PRT
<213> Homo sapiens

<400> 1169

Gly Pro Arg His Ala Asp Phe Pro Cys Ser Ala Val Val Arg Lys Cys
1 5 10 15

Leu Ala Ala Pro Gly Arg Arg Arg Gly Arg Gln Thr Tyr Ser Arg Phe
20 25 30

Gln Thr Leu Glu Leu Glu Lys Glu Phe Leu Phe Asn Pro Tyr Leu Thr
35 40 45

Arg Lys Arg Arg Ile Glu Val Ser His Ala Leu Ala Leu Thr Glu Arg
50 55 60

Gln Val Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys Glu
65 70 75 80

Asn Asn Lys Asp Lys Phe Pro Val Ser Arg Gln Glu Val Lys Asp Gly
85 90 95

Glu Thr Lys Lys Glu Ala Gln Glu Leu Glu Glu Asp Arg Ala Glu Gly
100 105 110

Leu Thr Asn
115

<210> 1170

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1170

Tyr Leu Lys Arg Leu Ala Thr Met Ser Lys Pro Glu Leu Lys Glu Asp
1 5 10 15

Lys Met Leu Glu Val His Phe Val Gly Asp Asp Asp Val Leu Asn His
20 25 30

Ile Leu Asp Arg Glu Gly Gly Ala Lys Leu Lys Lys Glu Arg Ala His
35 40 45

Phe Trp Ser Thr Pro Lys Lys
50 55

<210> 1171

<211> 130

<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1171

Pro Thr Arg Pro Xaa Thr Xaa Pro Phe Gly Pro Arg Trp His Gly Met
1 5 10 15

Arg Lys Ala Leu Pro Trp Xaa Leu Val Xaa Leu Ala Ser Leu Arg Ala
20 25 30

Val Xaa Thr Ser Xaa Met Xaa Thr Leu Pro Lys Arg Xaa Lys Ile Val
35 40 45

Glu Val Gly Pro Arg Asp Gly Leu Gln Asn Glu Lys Asn Ile Val Ser
50 55 60

Thr Pro Val Lys Ile Lys Leu Ile Asp Met Leu Ser Glu Ala Gly Leu
65 70 75 80

Ser Val Ile Glu Thr Thr Xaa Phe Glu Ser Pro Lys Trp Val Pro Gln
85 90 95

Met Gly Asp His Thr Glu Val Leu Lys Gly Ile Xaa Lys Phe Pro Gly
100 105 110

Ile Asn Tyr Pro Val Leu Thr Pro Asn Leu Lys Gly Phe Glu Ala Xaa
115 120 125

Xaa Pro
130

<210> 1172

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1172

Ala Arg Glu Asp Leu Asp Lys Ala Leu Leu Lys Ala Xaa Gln Asp Met
1 5 10 15

Phe Asp Lys Lys Thr Lys Ala Ser Leu Tyr Leu Xaa Thr His Asn Gly
20 25 30

Asn Met Tyr Thr Ser Ser Leu Tyr Gly Cys Leu Ala Ser Xaa Leu Ser
35 40 45

His His Xaa Ala Gln Glu Leu Ala Gly Ser Arg Ile Gly Ala Phe Ser
50 55 60

Tyr Gly Ser Gly Leu Ala Ala Ser Phe Phe Ser Phe Arg Val Ser Arg
65 70 75 80

Leu Lys Val Phe Cys Arg Ser Met Glu Ser Phe Trp Glu Thr Tyr Ala
85 90 95

Ser Arg Ala Ser Xaa Arg Xaa Ser Tyr Phe
100 105

<210> 1173
<211> 28
<212> PRT

<213> Homo sapiens

<400> 1173

Pro Cys Lys Gly Ser Ile Ile Thr Cys Ser Leu Asn Arg Asp Leu Tyr
1 5 10 15

Glu Trp Leu His Glu Gly Ser Ala Val Ser Tyr Phe
20 25

<210> 1174

<211> 23

<212> PRT

<213> Homo sapiens

<400> 1174

Ile Ile Thr Cys Ser Leu Ile Arg Asp Leu Tyr Glu Trp Leu His Glu
1 5 10 15

Gly Ser Ala Val Ser Tyr Phe
20

<210> 1175

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1175

Ala Ala Ser Ser Ile Cys Leu Xaa Gln Arg Leu Ser His Ala Cys Leu
1 5 10 15

Ser Thr His Gly Arg Tyr Ser Glu Thr Ala Asn Gly Ser Leu Asn Gln
20 25 30

Leu Trp Phe Leu Trp Ser Leu Ala Pro Leu Leu Leu Gly
35 40 45

<210> 1176

<211> 86

<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1176
Arg Pro Glu Asp Ser Leu Phe Cys Pro Lys Met Glu Asn Ser Thr Thr
1 5 10 15
Thr Ile Ser Arg Glu Glu Leu Xaa Glu Leu Gln Glu Ala Phe Asn Lys
20 25 30
Ile Asp Xaa Xaa Asn Ser Gly Tyr Val Ser Asp Tyr Xaa Leu Gln Asp
35 40 45
Leu Phe Lys Glu Ala Ser Leu Pro Leu Pro Gly Tyr Lys Val Arg Glu
50 55 60
Ile Xaa Glu Lys Ile Leu Ser Val Ala Asp Ser Asn Lys Asp Gly Lys
65 70 75 80
Ile Asn Phe Glu Glu Phe
85

<210> 1177
<211> 166
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (157)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (163)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1177
Ile Thr Ile Ser Phe Phe Leu Cys Leu Arg Pro Pro Thr Phe Phe Ser
1 5 10 15
Phe Pro Phe Ser Leu Trp Gly Pro Ser Pro Met Leu Pro Cys Pro Ile
20 25 30
Pro Phe Ser Pro Ser Arg Leu Leu Ile Pro Pro Phe Pro Ser Phe Pro
35 40 45
Ser Asn Tyr Gln Leu Trp Leu Gly Arg His Asn Leu Phe Asp Asp Glu
50 55 60
Asn Thr Ala Gln Phe Val His Val Ser Glu Ser Phe Pro His Pro Gly
65 70 75 80
Phe Asn Met Ser Leu Leu Glu Asn His Thr Arg Gln Ala Asp Glu Asp
85 90 95
Tyr Ser His Asp Leu Met Leu Leu Arg Leu Thr Glu Pro Ala Asp Thr
100 105 110
Ile Thr Asp Ala Val Lys Val Gly Lys Leu Pro Thr Gln Glu Pro Glu
115 120 125
Val Gly Glu His Leu Val Gly Phe Arg Leu Gly Gln Ala Leu Asn Gln
130 135 140
Lys Asn Phe Leu Ile Ser Glu Asp Leu Gln Met Val Xaa Xaa Leu Gln
145 150 155 160
Lys Ser Xaa Leu Lys Glu
165

<210> 1178
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1178
Cys Xaa Ala Ala Gly Pro Ser Cys Ala Leu Lys Ala Gly Lys Thr Ala
1 5 10 15
Ser Gly Ala Gly Glu Val Val Arg Cys Leu Ser Glu Gln Ser Val Gly
20 25 30
His Leu Ala Leu Arg Arg Gly Pro Gly Ala Arg Leu Pro Ala Leu Leu
35 40 45
Asp Glu Gln Gln Val Asn Val Leu Leu Tyr Asp Met Asn Gly Cys Tyr
50 55 60
Ser Arg Leu Lys Glu Leu Val Pro Thr Leu Pro Gln Asn Arg Lys
65 70 75

<210> 1179
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1179

Ala Xaa Val Gln Leu Thr Leu Xaa Xaa Thr Gln Cys Pro Xaa Gly Lys
1 5 10 15

Ser Val Xaa Cys His Val Lys Ala Leu His Asp Ser Xaa Pro Gly Cys
20 25 30

Asn Cys Ala Pro Ala Gln Phe Pro Xaa Leu Pro His Ala Ala Xaa Pro
35 40 45

Asp Xaa Gly
50.

<210> 1180

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1180

Ile Ser Arg Thr Pro Glu Gly His Val Arg Gly Gly Gly Arg Glu Ala
1 5 10 15

Arg Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu
20 25 30

Val His Asn Ala Lys Thr Lys Pro Arg Xaa Glu Gln Phe Asn Ser Thr
35 40 45

Tyr Xaa Trp Phe Ser Val Leu His Arg Pro Ala Pro Gly Trp Leu Glu
50 55 60

Arg Gln Gly Ser Tyr Lys Trp Gln Gly Phe Xaa Thr Lys Gly Phe Pro
65 70 75 80

Xaa Phe Leu Gly Glu Asn Leu Phe Xaa Lys Ala Lys Gly Gln Xaa Arg
85 90 95

<210> 1181
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1181
Gly Gly Tyr Cys Ser Gly Gly Ser Cys Ser Asn Phe Tyr Phe Tyr His
1 5 10 15
Met Asp Val Trp Gly Glu Arg Thr Thr Val Thr Val Ser Ser Ala Ser
20 25 30
Thr Xaa Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Xaa Asn Thr
35 40 45
Ser Glu Asn Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro
50 55 60
Glu Thr Gly Asp Gly Val Leu Glu Leu Arg Gly Leu
65 70 75

<210> 1182
<211> 137
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1182

Asp	Pro	Tyr	Gly	Thr	Met	Glu	Ala	Pro	Ala	Gln	Leu	Leu	Xaa	Leu	Leu
1					5					10				15	

Leu	Leu	Trp	Leu	Pro	Xaa	Thr	Thr	Gly	Glu	Ile	Leu	Met	Thr	Gln	Ser
			20					25						30	

Pro	Ala	Thr	Leu	Ser	Val	Ser	Pro	Gly	Glu	Arg	Val	Thr	Leu	Ser	Cys
		35						40					45		

Arg	Ala	Gly	Gln	Ser	Val	Tyr	Ser	Asn	Leu	Ala	Trp	Tyr	Gln	Gln	Lys
	50						55					60			

Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Met	Tyr	Gly	Ser	Ser	Thr	Xaa	Ala
	65				70						75				80

Thr	Asp	Val	Pro	Val	Arg	Phe	Ser	Gly	Xaa	Gly	Ser	Gly	Thr	Glu	Phe
				85						90					95

Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Ser	Asp	Asp	Ser	Ala	Val	Tyr	Xaa
			100					105						110	

Cys	Gln	Gln	Tyr	Ile	Met	Trp	Pro	Gly	Thr	Phe	Gly	Xaa	Gly	Thr	Lys
		115						120					125		

Gly Glu Ile Xaa Arg Thr Gly Xaa Ala
130 135

<210> 1183

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1183

Val Arg Xaa Xaa Xaa Phe Gly Ser Thr Ala Pro Ser Ala Asp Ala Trp
1 5 10 15

Val Arg Thr Arg Gly Arg Thr Arg Gly Ala Glu Ala Ala Lys Met Leu
20 25 30

Gly Glu Ala Leu Ser Lys Asn Pro Gly Tyr Ile Lys Leu Arg Lys Ile
35 40 45

Arg Ala Ala Gln Asn Ile Ser Lys Thr Ile Ala Thr Ser Gln Asn Arg
50 55 60

Ile Tyr Leu Thr Ala Asp Asn Leu Val Leu Asn Leu Gln Asp Glu Ser
65 70 75 80

Phe Thr Arg Gly Ser Asp Ser Leu Ile Lys Gly Lys Lys
85 90

<210> 1184

<211> 46

<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1184
Ile Asp Leu Met Cys Lys Lys Met Lys His Leu Trp Phe Phe Leu Leu
1 5 10 15
Leu Val Ala Val Ser Xaa Met Arg Pro Val Pro Gly Ala Ala Ala Xaa
20 25 30
Val Xaa Ala Arg Thr Gly Glu Xaa Phe Gly Asp Pro Val Xaa
35 40 45

<210> 1185
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1185

Ser Ala Leu Asn Thr Glu Leu Thr Met Glu Phe Gly Leu Ser Trp Val
1 5 10 15

Phe Leu Val Val Ile Leu Lys Gly Val Gln Cys Glu Val Gln Leu Val
20 25 30

Glu Ser Gly Gly Ala Val Val Gln Pro Gly Gly Ser Leu Arg Leu Ser
35 40 45

Cys Glu Ala Ser Gly Phe Thr Phe Asp Asn Tyr Ala Met His Trp Val
50 55 60

Arg Gln Ala Pro Xaa Lys Gly Leu Glu Trp Val Cys Leu Ile Ser Arg
65 70 75 80

Asp Gly Arg Lys Thr Tyr Phe Ala Asp Ser Met Lys Gly Arg Phe Thr
85 90 95

Ile Ser Arg Asp Asn Ser Lys Asn Cys Leu Tyr Leu Gln Val Asn Ser
100 105 110

Leu Arg Val Glu Asp Thr Xaa Leu Tyr Tyr Cys Ala Lys Asp Ile Pro
115 120 125

Gly Ser Ser Val Trp Thr Ser Gly Val Xaa Gly His Xaa Xaa
130 135 140

<210> 1186

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1186

Ser Trp Thr Pro Arg Pro Phe His Leu Val Ile Ser Thr Glu His Arg
1 5 10 15

Gly Leu Thr Met Glu Leu Gly Leu Ser Trp Val Phe Leu Val Ala Ile
20 25 30

Leu Glu Gly Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Gly
35 40 45

Leu Val Gln Ala Gly Gly Val Pro Glu Thr Leu Leu Xaa Xaa Leu Trp
50 55 60

Leu Pro Pro Leu
65

<210> 1187

<211> 191

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (171)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (180)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (182)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (191)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1187
Gly Arg Glu Ile Xaa Arg Ser Phe His Leu Val Ile Ser Thr Glu His
1 5 10 15
Arg Pro Pro Thr Met Glu Phe Gly Pro Ser Trp Val Phe Leu Val Ala
20 25 30
Ile Leu Lys Gly Val His Cys Glu Val Gln Leu Val Glu Ser Gly Gly
35 40 45
Gly Leu Val Gln Pro Gly Arg Ser Leu Arg Leu Ser Cys Thr Thr Ser
50 55 60
Gly Phe Thr Phe Gly Asp Tyr Ser Met Ser Trp Val Arg Gln Ala Pro
65 70 75 80
Gly Lys Gly Leu Glu Trp Val Gly Phe Ile Arg Ser Lys Ala His Gly
85 90 95
Gly Thr Thr Glu Tyr Ala Ala Ser Val Lys Arg Gln Ile His His Leu
100 105 110
Lys Glu Met Ile Pro Gln Ala Ser Xaa Ile Trp Gln Met Asn Ser Leu
115 120 125
Lys Pro Arg Thr Gln Thr Leu Leu Leu Ser Arg His Asp Tyr Arg His
130 135 140

Thr Pro Gly Tyr Trp Gly Gln Gly Thr Leu Val Thr Xaa Phe Ser Gly
145 150 155 160

Phe His Gln Gly Pro Ser Ser Ser Pro Trp Xaa Pro Cys Ser Arg Xaa
 165 170 175

Thr Ser Glu Xaa Gln Xaa Pro Gly Leu Ala Gly Gln Gly Leu Xaa
 180 185 190

<210> 1188

<211> 121

<212> PRT

<213> Homo sapiens

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<400> 1188

Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Xaa Leu Val Gln
1 5 10 15
Pro Gly Gly Ser Leu Xaa Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
20 25 30
Ser Ser Xaa Asp Met His Trp Val Arg Gln Val Ala Gly Lys Xaa Leu
35 40 45
Glu Trp Val Ser Xaa Ile Asp Pro Ala Gly Asn Thr Asn Tyr Pro Xaa
50 55 60
Ser Val Xaa Gly Arg Phe Ile Ile Ser Arg Glu Asn Asp Lys Ser Ser
65 70 75 80
Ser Tyr Leu Gln Asn Glu Trp Ala Asp Xaa Arg Gly Lys Xaa Cys Val
85 90 95
Ile Leu Xaa Lys Xaa Lys Leu Xaa Phe Leu Val Xaa Gly Xaa Xaa Arg
100 105 110
Ser Leu Gly Ala Xaa Gly Xaa Leu Gly
115 120

<210> 1189

<211> 125

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<213> Homo sapiens

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<400> 1189

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1				5					10					15	

Gln	Asp	Arg	Val	Thr	Ile	Thr	Arg	Asp	Thr	Ser	Thr	Asn	Thr	Ala	Tyr
	20						25						30		

Met	Asp	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
	35					40						45			

Xaa	Arg	Gly	Phe	Phe	Gly	Asp	Arg	Asp	Tyr	Tyr	Tyr	Tyr	Tyr	Tyr	Met
	50					55				60					

Asp	Val	Trp	Gly	Lys	Gly	Thr	Thr	Val	Thr	Val	Ser	Ser	Ala	Ser	Pro
65				70					75						80

Thr	Ser	Pro	Lys	Val	Phe	Pro	Leu	Ser	Leu	Cys	Ser	Thr	Gln	Pro	Asp
			85					90					95		

Gly	Asn	Val	Val	Ile	Ala	Cys	Xaa	Val	Gln	Gly	Phe	Phe	Pro	Gln	Glu
		100						105						110	

Pro	Leu	Gln	Cys	Gly	Pro	Gly	Ala	Lys	Gly	Xaa	Arg	Ala
	115						120				125	

<210> 1190

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<213> Homo sapiens

<400> 1190

Asn	Arg	Thr	Val	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	Ser	Asp
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Glu	Gln	Leu	Lys	Ser	Gly	Thr	Ala	Ser	Val	Val	Leu	Pro	Ala	Glu
		20					25					30		

<210> 1191

<211> 102

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<400> 1191
Ser Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala
1 5 10 15
Met Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Trp Asp Ser Ser Ala Val
20 25 30
Val Phe Gly Gly Gly Thr Arg Leu Thr Xaa Leu Xaa Gln Pro Lys Ala
35 40 45
Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Xaa Glu Leu Gln Ala
50 55 60
Asn Lys Ala Thr Leu Val Cys Leu Ile Asn Asp Phe Tyr Pro Gly Ser
65 70 75 80

Arg Asp Ser Gly Leu Glu Xaa Gln Ile Xaa Thr Pro Phe Xaa Ala Glu
 85 90 95

Leu Gly Xaa Thr Thr Thr
 100

<210> 1192

<211> 160

<212> PRT

<213> Homo sapiens

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<400> 1192

Arg Pro Thr Arg Pro Gln Leu Trp Ala Gln Glu Ala Ala Leu Arg Thr
 1 5 10 15

Ile Ser Ser Met Ala Trp Ser Pro Leu Leu Leu Thr Leu Leu Ala His
 20 25 30

Cys Thr Gly Ser Trp Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Val
 35 40 45

Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser
 50 55 60

Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro
 65 70 75 80

Gly Thr Ala Pro Lys Val Leu Ile Tyr Gly Asn Ser Asn Arg Pro Ser
 85 90 95

Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser
100 105 110
Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Xaa Val Asp Tyr Tyr Cys
115 120 125
Gln Ser Tyr Asp Ser Ser Leu Gly Gly Ser Val Phe Gly Gly Arg Thr
130 135 140
Lys Leu Xaa Val Leu Xaa Gln Pro Lys Xaa Ala Pro Ser Val Thr Leu
145 150 155 160

<210> 1193
<211> 153
<212> PRT
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<400> 1193

Thr Gly Phe Arg Thr Ile Xaa Thr Met Ala Gly Phe Pro Leu Leu Leu
1 5 10 15

Thr Leu Leu Thr His Cys Ala Xaa Ser Trp Ala Xaa Xaa Val Leu Thr
20 25 30

Xaa Pro Pro Ser Xaa Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser
35 40 45

Cys Ser Gly Ser Ser Ser Asn Ile Gly Thr Asn Tyr Val Tyr Trp Tyr
50 55 60

Gln Gln Leu Pro Gly Thr Ala Pro Glu Val Leu Ile Tyr Lys Asn Asp
65 70 75 80

Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly
85 90 95

Thr Ser Ala Ser Leu Ala Ile Gly Gly Leu Arg Ser Glu Asp Glu Ala
100 105 110

Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser Leu Ser Gly Pro Val Phe
115 120 125

Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys Ala Ala Pro
 130 135 140

Ser Xaa Thr Leu Xaa Pro Xaa Xaa Xaa
 145 150

<210> 1194

<211> 114

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1194

Gly Gly Arg Ala Leu Gly Ile Ser Pro Trp Pro Gly Pro Leu Ser Cys
 1 5 10 15

Ser Pro Ser Ser Leu Ser Ala Gln Arg Lys Arg Gly Gln Ala Pro Val
 20 25 30

Val Val Ile Tyr Glu Asp Asn Lys Arg Pro Ser Gly Ile Pro Glu Arg
 35 40 45

Phe Ser Gly Ser Thr Ser Gly Thr Leu Ala Thr Val Ile Ile Ser Gly
 50 55 60

Ala Gln Val Asp Asp Asp Thr Asp Phe Tyr Cys Gln Ser Thr His Ser
 65 70 75 80

Ser Asn Asn Gly Arg Ser Val Cys Leu Arg Asn Trp Asp Gln Gly His
 85 90 95

Arg Pro Trp Ser Ala Gln Gly Gln Pro Gln Cys Xaa Ser Val Pro Gly
 100 105 110

Leu Leu

<210> 1195

<211> 97

<212> PRT

<213> Homo sapiens

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Gln Asn Ser Xaa Cys Leu Thr Met Ala Trp Ile Pro Leu Leu Leu Pro
1 5 10 15
Leu Leu Thr Leu Cys Thr Asp Ser Glu Ala Ser His Glu Leu Arg Gln
20 25 30
Pro Xaa Ser Val Ser Val Ser Pro Xaa Gln Thr Ala Xaa Ile Thr Xaa
35 40 45
Ser Gly Asp Ala Leu Pro Glu Gln Ser Ile Phe Trp Tyr Gln Gln Lys
50 55 60
Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Lys Val His Glu Arg Pro
65 70 75 80
Ser Asp Ala Leu Asn Asp Ser Leu Ala Pro Gly His Arg Gln Gln Ser
85 90 95
Arg

<210> 1196
<211> 192

<212> PRT
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<400> 1196

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1				5				10					15		
Ala	Ala	Leu	Glu	Xaa	Leu	Asp	Pro	Pro	Gly	Cys	Pro	Gly	Ser	Ala	Xaa
		20					25						30		
Xaa	Asp	Asn	Xaa	Gly	Xaa	Val	Gly	Ser	Gly	Pro	Pro	Asn	Pro	Asp	Leu
	35					40						45			
Ser	Xaa	Thr	Xaa	Leu	Asp	Gln	Tyr	Xaa	Ala	Met	Xaa	Xaa	Xaa	Xaa	His
	50					55				60					
Gly	Xaa	Asn	Met	Glu	Xaa	Ala	Leu	Gly	Met	Leu	Phe	Trp	His	Xaa	Xaa
65				70					75					80	
Asn	Ile	Gln	Xaa	Ser	Xaa	Ala	Asp	Leu	Pro	Asn	Xaa	Thr	Pro	Phe	Pro
		85						90						95	
Asp	Lys	Trp	Thr	Val	Glu	Asp	Lys	Xaa	Leu	Phe	Xaa	Gln	Ala	Phe	Thr
		100					105					110			
Phe	His	Gly	Lys	Thr	Phe	His	Thr	Ile	Gln	Pro	Met	Xaa	Pro	His	Lys
	115						120					125			
Ser	Ile	Xaa	Xaa	Leu	Val	Lys	Xaa	Tyr	Tyr	Ser	Trp	Lys	Lys	Asp	Glu
	130					135					140				
Asp	Xaa	Asn	Tyr	Cys	Asp	Gly	Ser	Pro	Cys	Pro	Gly	Asn	Xaa	Thr	Gly
145					150				155					160	

Arg Glu Glu Xaa Xaa Asp Glu Leu Glu Gln Ala Asn Gly Thr Ile Pro
165 170 175

Xaa Xaa Leu Lys Leu Asp Pro Asn Gln Glu Xaa Gln Arg Glu Val Pro
180 185 190

<210> 1197

<211> 43

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Glu Gln Asn Leu Asp Arg Gln Val Leu Xaa Thr Gln Cys Ile Arg Leu
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Glu Ala Arg Tyr Tyr Ser Leu Ser Leu Thr Xaa Xaa Xaa Leu Ser His

20 25 30

Ile Val Ala Glu Leu Arg Asn Xaa Lys Xaa Lys
35 40

<210> 1198
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<212> PRT
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Phe Met Lys Ala Ile Gly Leu Pro Glu Glu Leu Ile Gln Lys Gly Lys
20 25 30
Asp Ile Lys Gly Val Ser Glu Ile Val Gln Asn Gly Lys His Phe Lys
35 40 45
Phe Thr Ile Thr Ala Gly Ser Lys Val Ile Gln Asn Glu Phe Thr Val
50 55 60
Gly Glu Glu Cys Glu Leu Glu Thr Met Thr Gly Glu Lys Val Lys Thr
65 70 75 80
Val Val Gln Leu Glu Gly Asp Xaa Lys Leu Val Thr Thr Phe Lys Asn
85 90 95
Ile Lys

<210> 1199
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Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
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Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Gly Gly Arg Phe Xaa Gly
20 25 30

Ser Lys Xaa Thr Xaa Xaa Cys Xaa Xaa Arg Xaa Xaa Xaa Xaa Ile Gly
35 40 45

Ser Pro Lys Xaa Asn Xaa Leu Ala Val Val Leu Gln Arg Arg Asp Trp
50 55 60

Xaa Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Xaa Xaa Pro Xaa
65 70 75 80

Phe Ala Xaa Trp Arg Asn Xaa Xaa Lys Ala Arg Thr Asp Arg Xaa Ser
85 90 95

Xaa Gln Leu Xaa Ser Leu Asn Gly Lys Trp Asp Xaa Pro Cys Ser Gly
100 105 110

Ala Leu Ser Xaa Ala Gly Val Gly Val Thr Xaa Ser Val Thr Val Thr
115 120 125

Xaa Ala Xaa Ala Xaa Ala Pro Xaa Pro Phe Xaa Phe Phe Pro Ser Phe
130 135 140

Phe Ala Thr Phe Ala Gly Phe Pro Arg Lys Ala Leu Asn Gly Gly Leu
145 150 155 160

Pro Xaa Gly Phe Arg Phe Arg Ala Leu Arg Asp Leu Asp Pro Lys Lys
165 170 175

Leu Xaa Leu Gly Gly Trp Phe Thr
180

<210> 1200

<211> 83

<212> PRT

<213> Homo sapiens

<400> 1200

Gly Pro Glu Met Gln Val Lys Leu Leu Gln Ser Leu Gly Leu Lys Ser
 1 5 10 15

Thr Leu Ile Thr Asp Gly Ser Thr Pro Ile Asn Leu Phe Asn Thr Ala
 20 25 30

Phe Gly Leu Leu Gly Met Gly Pro Glu Gly Pro Ala Pro Gly Gln Lys
 35 40 45

Gly Trp His Trp Ala Gln Pro Trp Lys Gly Asp Ile Pro Pro Val Leu
 50 55 60

Leu Lys Pro Leu Lys Leu Leu Glu Asn Thr Thr Leu Cys Leu Phe Cys
 65 70 75 80

Ala Tyr Ser

<210> 1201

<211> 75

<212> PRT

<213> Homo sapiens

<220>

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<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1201

Leu Leu Phe Leu Gly Pro Val Gly Leu Ile Met Tyr Leu Gly Gly Val
 1 5 10 15

Phe Phe Ile Asn Arg Gln Arg Ser Ser Thr Ala Met Thr Val Met Ala
 20 25 30

Asp Leu Gly Glu Arg Met Val Arg Glu Asn Leu Lys Val Trp Ile Tyr
 35 40 45

Pro Glu Gly Thr Arg Asn Asp Asn Gly Asp Leu Leu Pro Phe Lys Lys
 50 55 60

Gly Ala Phe Tyr Leu Ala Val Gln Ala Xaa Val
 65 70 75

<210> 1202

<211> 179

<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1202

Lys	Gln	Arg	Ser	Glu	Asp	Ser	Met	Tyr	Thr	Ala	Ile	Pro	Gln	Ser	Gly
1				5					10					15	
Ser	Pro	Phe	Pro	Gly	Ser	Val	Gln	Asp	Pro	Gly	Leu	His	Val	Trp	Arg
			20					25						30	
Val	Glu	Lys	Leu	Lys	Pro	Val	Pro	Val	Ala	Gln	Xaa	Asn	Gln	Gly	Ile
		35					40						45		
Phe	Phe	Ser	Gly	Asp	Ser	Tyr	Leu	Val	Leu	His	Asn	Gly	Pro	Glu	Glu
	50					55						60			
Val	Ser	His	Leu	His	Leu	Asn	Thr	Leu	Leu	Gly	Glu	Arg	Pro	Val	Gln
	65				70					75					80
His	Arg	Glu	Val	Arg	Gly	Asn	Glu	Ser	Asp	Leu	Phe	Met	Ser	Tyr	Phe
				85					90					95	
Pro	Arg	Gly	Phe	Lys	Tyr	Gln	Glu	Gly	Gly	Leu	Xaa	Ser	Ala	Phe	His
			100					105						110	
Lys	Thr	Ser	Thr	Gly	Ala	Pro	Val	Ala	Ile	Lys	Lys	Xaa	Tyr	Gln	Val
		115					120					125			

Lys Gly Xaa Xaa Lys Ser Val Gln Arg Xaa Gly Met Asn Trp Glu Xaa
 130 135 140

Xaa Asn Xaa Gly Cys Leu Pro Gly Xaa Gly Lys Asn Xaa Xaa Gly Leu
 145 150 155 160

Xaa Asn Gln Ile Trp Xaa Lys Arg Gly Asp Cys Leu Asp Arg Asp Xaa
 165 170 175

Gln Gly Ser

<210> 1203

<211> 145

<212> PRT

<213> Homo sapiens

<220>

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<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1203

Leu Phe Leu Asp Ser Val Gly Gly Gly Ala Trp Pro Phe Leu Val Gly
 1 5 10 15

Gly Ala Ile Cys Leu Val Asn Ser Asp Asn Glu Arg Asp Ser Gly Met
 20 25 30

Leu Thr Ser Tyr Ala Thr Pro Glu Arg Ser Ala Ser Pro Asn Phe Leu
 35 40 45

Glu Gly Gln Val Ala Phe Ser His Pro Arg Leu Ser Asn Asn Arg Ser
 50 55 60

Val Met Pro Leu Asp Val Arg Gly Cys Thr Arg Ala Thr Leu Thr Gly
 65 70 75 80

Ser Ala Cys Ala Tyr Pro Thr Pro Ala Gly Ala Gly Asn Pro Leu Asn
 85 90 95

Pro Ile Arg Asp Gly Asp Arg Gly Leu Gln Leu Phe Pro Met Asn Glu
 100 105 110

Glu Phe Pro Val Ser Ala Gly His Lys Leu Ala Leu Ile Lys Ser Leu
115 120 125

Pro Leu Gln Pro Phe Trp Xaa Phe Gly Pro Leu Xaa Leu Phe His Leu
130 135 140

Ser
145

<210> 1204
<211> 72
<212> PRT
<213> Homo sapiens

<220>
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<222> (12)
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<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1204
Pro Arg Pro Ala Gly Asn Ser Ser Arg Val His Xaa Glu Gly Thr Thr
1 5 10 15
Val Leu Xaa Xaa Gln Phe Gly Leu Asn Ala Ser Xaa Ser Arg Phe Phe
20 25 30
Leu Gln Xaa Xaa Gln Leu Ile Thr Ile Leu Pro Val Arg Gln Arg Xaa
35 40 45
Leu Pro Leu Lys Xaa Ala Asn Xaa Xaa Leu Thr Xaa Pro Ala Ala Thr
50 55 60
Val Arg Gln Phe Leu Gln Val Pro
65 70

<210> 1205
<211> 159
<212> PRT
<213> Homo sapiens

<400> 1205
Thr Pro Leu Gly Val Pro Val Ile Gln Pro Tyr Arg Leu Asp Ser Lys
1 5 10 15
Val Lys Gln Ile Gly Gly Gly Ile Gln Ser Ile Thr Tyr Thr His Asn
20 25 30

Gly Asp Ile Ser Arg Lys Pro Asn Thr Arg Lys Gln Lys Asn Gly Phe
35 40 45
Pro Pro Asn Phe Ile His Ser Leu Asp Ser Ser His Met Met Leu Thr
50 55 60
Ala Leu His Cys Tyr Arg Lys Gly Leu Thr Phe Val Ser Val His Asp
65 70 75 80
Cys Tyr Trp Thr His Ala Ala Asp Val Ser Val Met Asn Gln Val Cys
85 90 95
Arg Glu Gln Phe Val Arg Leu His Ser Glu Pro Ile Leu Gln Asp Leu
100 105 110
Ser Arg Phe Leu Val Lys Arg Phe Cys Ser Glu Pro Gln Lys Ile Leu
115 120 125
Glu Ala Ser Gln Leu Lys Glu Thr Leu Gln Ala Val Pro Lys Pro Gly
130 135 140
Ala Phe Asp Leu Glu Gln Val Lys Arg Ser Thr Tyr Phe Phe Ser
145 150 155

<210> 1206

<211> 109

<212> PRT

<213> Homo sapiens

<220>

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<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (47)

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<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1206
Gln Met Tyr Gly Thr Asn Lys Met Xaa Pro Tyr Arg Asp Ser Lys Leu
1 5 10 15
Thr His Leu Phe Lys Asn Tyr Phe Asp Gly Glu Gly Lys Val Arg Met
20 25 30
Ile Val Tyr Val Asn Pro Lys Ala Xaa Asp Tyr Xaa Glu Asn Xaa Gln
35 40 45
Val Met Arg Phe Ala Glu Val Thr Gln Glu Val Glu Val Ala Arg Pro
50 55 60
Val Asp Lys Val Ile Cys Gly Leu Thr Pro Xaa Arg Arg Tyr Arg Asn
65 70 75 80
Gln Xaa Arg Gly Pro Val Gly Asn Xaa Pro Leu Gly Thr Asp Val Val
85 90 95
Xaa Gln Ser Phe Pro Pro Leu Pro Xaa Met Arg Asn Phe
100 105

<210> 1207
<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1207

Asn Xaa Lys Leu Ser Glu Gln Glu Leu Gln Phe Arg Arg Leu Ser Gln
1 5 10 15

Glu Gln Val Asp Asn Phe Thr Leu Asp Ile Asn Thr Ala Tyr Ala Arg
20 25 30

Leu Arg Gly Ile Glu Gln Ala Val Gln Ser His Ala Val Ala Glu Glu
35 40 45

Glu Ala Arg Lys Ala His Gln Leu Trp Leu Ser Val Glu Ala Leu Lys
50 55 60

Tyr Ser Met Xaa Asp Leu His Leu Ala Glu Thr Pro Thr Ile Pro Leu
65 70 75 80

Gly Ser Gly Ser

<210> 1208

<211> 57

<212> PRT

<213> Homo sapiens

<220>

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<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1208

Pro Cys Ser Thr Val Pro Val Thr Thr Glu Val Ser Tyr Ala Gly Cys
1 5 10 15

Thr Lys Thr Val Leu Met Asn His Cys Ser Gly Ser Cys Gly Thr Phe
20 25 30

Val Met Tyr Ser Xaa Gln Ala Gln Ala Leu Asp His Ser Xaa Leu Leu
35 40 45

Leu Gln Arg Xaa Xaa Asn Gln Pro Ala
50 55

<210> 1209

<211> 84

<212> PRT

<213> Homo sapiens

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<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1209

Ala Xaa Asp Gln Ala Gly Glu Val Asp His Thr Leu Leu Gly Gln Cys
1 5 10 15

Thr Gly Gly Gly Tyr Phe Met Gln Phe Xaa Thr Ser Ser Gly Ser Ala
20 25 30

Glu Glu Ala Ala Leu Leu Glu Ser Arg Ile Leu Tyr Pro Lys Arg Lys
35 40 45

Gln Gln Cys Leu Gln Phe Phe Tyr Lys Met Xaa Gly Glu Val Leu Xaa
50 55 60

Asp Arg Leu Arg Cys Leu Gly Xaa Gly Gly Asp Asp Ser Thr Gly Asn
65 70 75 80

Val Arg Asn Trp

<210> 1210

<211> 129

<212> PRT

<213> Homo sapiens

<220>

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<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1210

Leu Leu Asn Asp Ala Val Thr Val Val Leu Tyr His Leu Phe Glu Glu
1 5 10 15

Phe Ala Asn Tyr Glu His Val Gly Ile Val Asp Ile Phe Leu Gly Phe
 20 25 30
 Leu Ser Phe Phe Val Val Ala Leu Gly Gly Val Leu Val Gly Val Val
 35 40 45
 Tyr Gly Val Ile Ala Ala Phe Thr Ser Arg Phe Thr Ser His Ile Arg
 50 55 60
 Val Ile Glu Pro Leu Phe Val Phe Leu Tyr Ser Tyr Met Ala Tyr Leu
 65 70 75 80
 Ser Ala Glu Leu Phe His Leu Ser Gly Ile Met Ala Leu Ile Ala Ser
 85 90 95
 Gly Val Val Met Arg Pro Tyr Val Gly Xaa Gln His Phe His Lys Phe
 100 105 110
 Pro Gln Gln His Gln Ile Ile Ser Trp Lys Met Xaa Glu Gln Arg Xaa
 115 120 125

Xaa

<210> 1211

<211> 43

<212> PRT

<213> Homo sapiens

<220>

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<222> (6)

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<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1211

Leu His Ala Phe Cys Xaa Ile Asn Asn Ile Lys Pro Ser Trp Thr Arg
 1 5 10 15

Xaa Asn Thr Leu Met Phe Ile His Leu Ser Pro Ile Leu Leu Ser
 20 25 30

Leu Asn Pro Asp Ile Ile Thr Gly Phe Ser Ser
 35 40

<210> 1212
<211> 29
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1212
Gln Gly Phe Lys Val Glu Arg Met His Ile Thr Asp Met Lys Leu Ala
1 5 10 15

Xaa Leu Pro Xaa Leu Glu Ala Leu Gly Val Xaa Val Asn
20 25

<210> 1213
<211> 137
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1213
Ala Lys Val His Pro Asn Ser Val His Ile Cys Ala Val Val Val Glu
1 5 10 15
Tyr Glu Thr Lys Ala Gly Arg Ile Asn Lys Gly Val Xaa Thr Asn Trp
20 25 30
Leu Arg Ala Lys Glu Pro Ala Gly Glu Asn Gly Gly Arg Ala Leu Val
35 40 45
Pro Met Phe Val Arg Lys Ser Gln Phe Arg Leu Pro Phe Lys Ala Thr
50 55 60
Thr Pro Val Ile Met Xaa Gly Pro Gly Thr Gly Val Xaa Pro Phe Ile
65 70 75 80
Gly Xaa Ile Gln Glu Arg Ala Trp Leu Arg Gln Xaa Gly Lys Glu Val
85 90 95
Gly Glu Thr Leu Leu Asn Tyr Gly Cys Arg Arg Ser Asp Glu Asp Tyr

100	105	110
Leu Xaa Arg Xaa Glu Leu Ala Gln Phe His Arg Asp Gly Ala Leu Thr		
115	120	125
Gln Leu Asn Val Ala Phe Xaa Arg Xaa		
130	135	

<210> 1214

<211> 207

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1214

Ala Ser Xaa His His Ser Ala Cys Phe Leu Gly Pro Glu Ile Met Pro
1 5 10 15

Leu Gly Leu Leu Trp Leu Gly Leu Xaa Leu Leu Gly Ala Leu His Ala
20 25 30

Gln Ala Gln Asp Ser Thr Ser Asp Leu Ile Pro Ala Pro Pro Leu Ser
35 40 45

Lys Val Pro Leu Gln Xaa Asn Phe His Asp Asn Gln Phe His Gly Lys
50 55 60

Trp Tyr Val Val Arg Leu Ala Arg Asn Ala Ile Leu Arg Xaa His Lys
65 70 75 80

Asp Pro Gln Xaa Met Tyr Ala Thr Ile Tyr Glu Leu Lys Glu Thr Arg
85 90 95

Xaa Thr Met Ser Leu Arg Leu Phe Lys Lys Lys Lys Cys Asp Tyr Leu
100 105 110

Asp Gln Glu Phe Trp Ser Lys Val Ala Xaa Arg Arg Ile Pro Pro Trp
115 120 125

Gly Pro Leu Lys Leu Pro Trp Xaa Asn Gln Phe Pro Pro Ser Asn Cys
130 135 140

Xaa His Gln Leu Gln Xaa Pro Ser Phe Gly Phe Leu Pro Xaa Asn Phe
145 150 155 160

Ser Lys Gln Gly Xaa Leu Pro Xaa Pro Xaa Phe Arg Lys Asn Lys Glu
165 170 175

Leu Ile Pro Xaa Leu Lys Glu Lys Phe Ser Xaa Leu Pro Phe Leu Gly
180 185 190

Pro Pro Lys Xaa Lys Phe Val Phe Pro Phe Pro Thr Asn Ile Xaa
195 200 205

<210> 1215

<211> 69

<212> PRT

<213> Homo sapiens

<220>

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<222> (15)
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<220>
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<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1215
Gly Ser His Thr Ala Arg Arg Leu Gly Arg Leu Arg Gly Ser Xaa Ala
1 5 10 15
Arg Leu Xaa Gly Pro Arg Arg Ala Xaa Gly Gly Lys Met Ala Xaa Gly
20 25 30

Gly Gly Asp Leu Ser Thr Arg Xaa Leu Asn Xaa Cys Ile Ser Pro Val
35 40 45

Ala Asn Glu Met Asn His Leu Pro Ala His Xaa His Asp Leu Gln Arg
50 55 60

Xaa Phe Thr Glu Xaa
65

<210> 1216

<211> 58

<212> PRT

<213> Homo sapiens

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<222> (42)

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<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1216

Leu Asn Pro Leu Gly Ile Lys Tyr Ile Val Ala Arg Pro Val Tyr Ser
1 5 10 15

Thr Asn Ala Phe Glu Glu Asn His Lys Lys Thr Gly Arg His His Lys
20 25 30

Thr Phe Leu Asp His Leu Lys Val Cys Xaa Asn Cys Ser Pro Gln Lys
35 40 45

Ala Arg Glu Leu Xaa Ser Leu Xaa Phe Pro
50 55

<210> 1217

<211> 144

<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1217
Ala Gly Leu Gln Met Gly Arg Ser Arg Ser Arg Ser Pro Arg Arg Glu
1 5 10 15
Arg Arg Arg Ser Arg Ser Thr Ser Arg Glu Arg Glu Arg Arg Arg Arg
20 25 30
Glu Arg Ser Arg Ser Arg Glu Arg Asp Arg Arg Arg Ser Arg Ser Arg
35 40 45
Ser Pro His Arg Arg Arg Ser Arg Ser Pro Arg Arg His Arg Ser Thr
50 55 60
Ser Pro Ser Pro Ser Arg Leu Lys Glu Arg Arg Asp Glu Glu Lys Lys
65 70 75 80
Glu Thr Lys Glu Thr Lys Ser Lys Glu Arg Gln Ile Thr Glu Glu Asp
85 90 95
Leu Glu Gly Lys Thr Glu Glu Glu Ile Glu Met Met Lys Leu Met Gly
100 105 110
Phe Ala Ser Phe Asp Ser Thr Lys Gly Lys Lys Val Asp Xaa Ser Val
115 120 125
Asn Ala Tyr Ala Ile Asn Val Ser Gln Lys Arg Lys Tyr Arg Tyr Ala
130 135 140

<210> 1218
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1218
Gln Xaa Leu Cys Gln Ala Gly Asp Asp Ser Asn Ser Asn Lys Lys Asn
1 5 10 15

Ala Asp Leu Gln Val Leu Lys Pro Glu Pro Glu Leu Val Tyr Glu Asp
 20 25 30
 Leu Arg Gly Ser Val Thr Phe His Cys Ala Leu Gly Pro Glu Val Ala
 35 40 45
 Asn Val Ala Lys Ile Leu Ser Gly Arg Glu Trp Gly Lys Asp Ala Val
 50 55 60
 Ser Ser Leu Gln Ile Cys
 65 70

<210> 1219
 <211> 104
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1219
 Ser Thr His Ala Ser Ala Xaa Xaa Ser Leu Val Leu Arg Ile Ala Thr
 1 5 10 15
 Asp Asp Ser Lys Ala Val Cys Arg Leu Ser Val Lys Phe Gly Ala Thr
 20 25 30
 Leu Lys Ile Ser Arg Leu Leu Leu Glu Arg Ala Arg Glu Leu Asn Ile
 35 40 45
 Asp Ile Ile Gly Val Ser Phe His Val Gly Ser Gly Cys Thr Asp Pro
 50 55 60
 Gly Asp Leu Arg Ala Ser His Leu Arg Cys Pro Leu Cys Leu Arg His
 65 70 75 80

Gly Glu Leu Arg Leu Val Ser Thr Cys Ile Cys Leu Ile Ser Val Val
85 90 95

Gly Phe Pro Gly Ile Xaa Arg Met
100

<210> 1220

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1220

Gly Thr Arg Xaa Cys Pro Xaa Arg Val Arg Val Ala Met Gly Xaa Ile
1 5 10 15

Glu Trp Ala Xaa Trp Ala Asn Glu Gln Ala Leu Ala Ser Gly Leu Ile
20 25 30

Leu Ile Thr Gly Gly Ile Val Ala Thr Ala Gly Arg Xaa Thr Xaa Trp
35 40 45

Tyr Phe Gly Ala Xaa Ser Ile Val Ala Gly Val Phe Val Cys Leu Leu
50 55 60

Glu Tyr Pro Arg Xaa Lys Arg Lys Lys Gly Ser Thr Met Val Arg Trp
65 70 75 80

Gly Gln Lys Tyr Met Thr Xaa Xaa Val
85

<210> 1221

<211> 141

<212> PRT

<213> Homo sapiens

<400> 1221

Asp Thr Phe Ile Arg His Ile Ala Leu Leu Gly Phe Glu Lys Arg Phe
1 5 10 15

Val Pro Ser Gln His Tyr Val His Val Pro Gly Glu Met Ala Gly Pro
20 25 30

Val Gly Glu Gly Gly Leu Pro Ala Leu His Arg Asp Leu Arg Val Pro
35 40 45

Ser Pro Lys Trp Phe Asp Gly Gln Arg Ala Ala Glu Asn His Gln Gly
50 55 60

Thr Leu Thr Glu Tyr Cys Gly Thr Leu Met Ser Leu Pro Thr Lys Ile
65 70 75 80
Ser Arg Cys Pro His Leu Leu Asp Phe Phe Lys Val Arg Pro Asp Asp
85 90 95
Leu Lys Leu Pro Thr Asp Asn Gln Thr Lys Lys Pro Glu Thr Tyr Leu
100 105 110
Met Pro Lys Asp Gly Lys Ser Thr Ala Thr Asp Ile Thr Gly Pro Ile
115 120 125
Ile Leu Gln Thr Tyr Arg Ala Ile Ala Asn Tyr Glu Lys
130 135 140

<210> 1222

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1222

Arg Cys Pro Val Thr Val Cys Gly Xaa Val His Gly Gln Phe His Asp
1 5 10 15

Leu Met Glu Leu Phe Arg Ile Xaa Gly Lys Ser Pro Asp
20 25

<210> 1223

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (6)
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<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1223
Leu Xaa Xaa Gln Ile Xaa Tyr Xaa Thr Xaa Pro Thr Ser Leu Pro Arg
1 5 10 15

Thr Ser Xaa Cys Leu His Ala Xaa Thr Ser Trp Lys Gln Ser Leu Leu
20 25 30

Gly Cys Leu Asn Xaa Lys Leu Xaa Xaa Ala Thr
35 40

<210> 1224

<211> 94

<212> PRT

<213> Homo sapiens

<400> 1224

Ala Asp Ala Trp Gly Lys Thr Phe Ala Arg Tyr Leu Ser Phe Arg Arg
1 5 10 15
Asp Asn Asn Glu Leu Leu Leu Phe Ile Leu Lys Gln Leu Val Ala Glu
20 25 30
Gln Val Thr Tyr Gln Arg Asn Arg Phe Gly Ala Gln Gln Asp Thr Ile
35 40 45
Glu Val Pro Glu Lys Asp Leu Val Asp Lys Ala Arg Gln Ile Asn Ile
50 55 60
His Asn Leu Ser Ala Phe Tyr Asp Ser Glu Leu Phe Arg Met Asn Lys
65 70 75 80
Phe Ser His Asp Leu Lys Arg Lys Met Ile Leu Gln Gln Phe
85 90

<210> 1225

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1225

Gly Arg Pro Thr Arg Pro Pro Thr Leu Xaa Leu Ala Trp Thr Ser Gly
1 5 10 15
Thr Asn Cys Thr Arg Phe Gly Ile Ala Ala Lys Tyr Gln Leu Asp Pro
20 25 30
Thr Ala Ser Ile Ser Ala Lys Val Asn Asn Ser Ser Leu Ile Gly Val
35 40 45

Gly Tyr Thr Gln Thr Leu Arg Pro Gly Val Lys Leu Thr Leu Ser Gly
50 55 60

Ser Gly Arg Trp Glu Glu His
65 70

<210> 1226

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1226

Gly Lys Met Val Leu Gln Thr Gln Val Phe Ile Ser Leu Leu Leu Trp
1 5 10 15

Ile Ser Gly Ala Tyr Gly Asp Ile Val Met Thr Gln Ser Pro Asp Ser
20 25 30

Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser
35 40 45

Gln Ser Val Leu Tyr Ser Ser Asn Asn Lys Asn Tyr Leu Thr Trp Tyr
50 55 60

Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Leu Tyr Trp Ala Ser
65 70 75 80

Thr Arg Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly
85 90 95

Thr Asp Phe Thr Leu Thr Ile Ser Xaa Leu Gln Ala Glu Asp Val Ala
100 105 110

Asp Tyr Tyr Cys Gln Gln Tyr Tyr Thr Thr Pro Trp Thr Phe Gly His
115 120 125

Trp Thr Xaa Val Glu Ile Xaa Arg Asn Cys Gly Cys Thr Xaa Cys Leu
130 135 140

Xaa Phe Pro Pro Ser Gly Xaa Gln Leu Lys
145 150

<210> 1227

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1227

Trp Leu Ile Leu Ala Val Ile Ser Val Tyr Asp Leu Val Ala Val Leu
1 5 10 15

Cys Pro Lys Gly Pro Leu Arg Met Leu Val Glu Thr Ala Gln Glu Xaa
20 25 30

Asn Glu Thr Leu Phe Pro Ala Leu Ile Tyr Ser Ser Thr Met Val Trp
35 40 45

Leu Val Asn Met Ala Glu Gly Asp Pro Glu Ala Gln Arg Arg Val Ser
50 55 60

Lys Asn Ser Lys Tyr Asn Ala Glu Ser Thr Glu Arg Ser His Lys Thr
65 70 75 80

Leu Leu Gln Arg Met Met Met Ala Gly Ser Val Arg Asn Gly Lys Pro
85 90 95
Arg Arg Thr Val Ile
100

<210> 1228

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1228

Leu Ile Ser Gly Lys Asp Cys Ala Val Ile Val Thr Gln Lys Lys Val
1 5 10 15

Pro Asp Lys Leu Leu Xaa Ser Ser Thr Val Thr His Leu Phe Lys Xaa
20 25 30

Xaa Gly Asn Ile Gly Cys Xaa Lys Thr Gly Met Ser Ala Xaa Ser Arg
35 40 45

Ser Gln Val Gln Arg Ala Arg Tyr Xaa Ala Ala Asn Leu Glu Tyr Lys
50 55 60

Tyr Gly Tyr Glu Xaa Pro Val Xaa Met Pro Val
65 70 75

<210> 1229

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1229

Asn Thr Leu Ile Leu Xaa Pro Ser Lys Asn His Leu Lys Ala Ala Gly
1 5 10 15

His Leu Tyr Ile Val Met Glu Tyr Cys Asp Gly Arg Asp Leu Met Gln
20 25 30

Lys Ile Lys Gln Gln Lys Arg Lys Ser Tyr Phe Leu Lys Thr
35 40 45

<210> 1230

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1230

Lys Thr Ile Arg Cys Val Cys Thr Trp Arg Leu His Leu Leu Ala Ser
1 5 10 15

Thr Tyr Ala Cys Ser Gln Asn Thr Asn Lys Thr Cys Glu Glu Cys Leu
20 25 30

Lys Asn Val Ser Cys Leu Trp Cys Asn Thr Asn Lys Leu Val Leu Asp
35 40 45

Tyr Gln Xaa Gln Ser Leu Ala Thr Gly Phe Pro Leu Leu Ile Asn Xaa
50 55 60

Leu His Leu Gly Asn Phe Val Gly Xaa Asn Leu Glu Ala Leu Asn His
65 70 75 80

His Met Phe Gly Ser Pro Gly Asn Pro Pro Pro Gly Ala Leu Ala Ser
85 90 95

Ala Ala Cys Leu Leu Ala Ala Arg Arg Lys Lys Glu Pro Glu Thr Arg
100 105 110
Thr Gly Ile Lys Glu Lys Arg Xaa Cys Val Xaa Pro Glu Arg Lys Ser
115 120 125
Xaa Ile Pro Ala Gly Xaa Thr Glu
130 135

<210> 1231
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1231
Leu Pro Xaa Gly Ala Gly Gly Met Ser Lys Gly Leu Pro Ala Arg Gln
1 5 10 15
Asp Met Glu Lys Glu Arg Glu Thr Leu Gln Ala Trp Lys Glu Arg Val
20 25 30
Gly Gln Glu Leu Asp Arg Val Val Ala Phe Trp Met Glu His Ser His
35 40 45
Asp Gln Glu His Gly Gly Phe Phe Thr Cys Leu Gly Arg Glu Gly Arg
50 55 60
Val Tyr Asp Asp Leu Lys Tyr Val Trp Leu Gln Gly Arg Gln Val Trp
65 70 75 80

Met Tyr Cys Xaa Pro Val Pro His Phe Arg Ala Leu Xaa Pro Cys Ser
85 90 95

Ala Ser Gly Arg Ser Xaa Ser Arg Trp
100 105

<210> 1232

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1232

Asn Ser Ala Arg Ala Glu Val Thr Asp Glu Tyr Lys Asn Xaa Val Lys
1 5 10 15

Asn Arg Ser Val Tyr Ile Lys Gly Phe Pro Thr Asp Ala Thr Leu Asp
20 25 30

Asp Ile Lys Glu Trp Leu Glu Asp Lys Gly Gln Val Leu Asn Ile Gln
35 40 45

Met Arg Arg Thr Leu His Lys Ala Phe Lys Gly Ser Ile Phe Val Val
50 55 60

Phe Asp Ser Ile Glu Ser Ala Lys Lys Phe Val Glu Ala Pro Gly Gln
65 70 75 80

Lys Tyr Lys Glu Pro Asp Leu Leu Ile Leu Phe Lys Ala Gly Xaa Phe
85 90 95

Ala Lys Lys

<210> 1233

<211> 80

<212> PRT

<213> Homo sapiens

<400> 1233

Pro Phe Gly Thr Gly Pro Glu Phe Pro Gly Leu Pro Ser Ser Ser Phe
1 5 10 15
Leu Arg His Arg Gly Val Phe Leu Thr Pro Leu Leu Ala Met Ser Ser
20 25 30
His Lys Thr Phe Arg Ile Lys Arg Phe Leu Ala Lys Lys Gln Lys Gln
35 40 45
Asn Arg Pro Ile Pro Gln Trp Ile Arg Met Lys Thr Gly Asn Lys Ile
50 55 60
Arg Tyr Asn Ser Lys Arg Arg His Trp Arg Arg Thr Lys Leu Gly Leu
65 70 75 80

<210> 1234

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1234

Val Thr Leu Xaa Lys Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg
1 5 10 15
Val Asp Pro Arg Val Arg Arg Pro Thr Arg Pro Pro Thr Arg Pro Pro
20 25 30
Thr Arg Pro Pro Thr Arg Pro Leu Cys Arg Lys Met Gly Val Pro Tyr
35 40 45
Cys Ile Ile Lys Gly Lys Ala Arg Leu Gly Arg Leu Val His Arg Lys
50 55 60
Thr Cys Thr Thr Val Ala Phe Thr Gln Val Asn Ser Glu Arg Gln Arg
65 70 75 80
Arg Phe Gly

<210> 1235

<211> 161

<212> PRT

<213> Homo sapiens

<400> 1235

Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Ala Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Ala Ala Thr Met
20 25 30

Val Arg Met Asn Val Leu Ala Asp Ala Leu Lys Ser Ile Asn Asn Ala
35 40 45

Glu Lys Arg Gly Lys Arg Gln Val Leu Ile Arg Pro Cys Ser Lys Val
50 55 60

Ile Val Arg Phe Leu Thr Val Met Met Lys His Gly Tyr Ile Gly Glu
65 70 75 80

Phe Glu Ile Ile Asp Asp His Arg Ala Gly Lys Ile Val Val Asn Leu
85 90 95

Thr Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro Arg Phe Asp Val
100 105 110

Gln Leu Lys Asp Leu Glu Lys Trp Gln Asn Asn Leu Leu Pro Ser Arg
115 120 125

Gln Phe Gly Phe Ile Val Leu Thr Thr Ser Ala Gly Ile Met Asp His
130 135 140

Glu Glu Ala Arg Arg Lys His Thr Gly Gly Lys Ile Leu Gly Phe Phe
145 150 155 160

Phe

<210> 1236

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1236

Leu	Xaa	Arg	Ala	Leu	Phe	Lys	Arg	Asn	Pro	Ala	Asn	Arg	Leu	Gly	Ser
1				5					10					15	

Gly	Pro	Asp	Gly	Ala	Glu	Glu	Ile	Lys	Arg	His	Val	Phe	Tyr	Ser	Thr
			20					25						30	

Ile	Asp	Trp	Asn	Lys	Leu	Tyr	Arg	Arg	Glu	Xaa	Thr	Pro	Pro	Phe	Lys
			35					40						45	

Pro	Ala	Val	Ala	Gln	Pro	Asp	Asp	Thr	Phe	Tyr	Phe	Asp	Thr	Glu	Phe
		50					55							60	

Thr	Ser	Arg	Thr	Pro	Lys	Asp	Ser	Pro	Gly	Ile	Pro	Pro	Ser	Ala	Gly
	65					70					75				80

Ala	His	Gln	Leu	Phe	Arg	Gly	Phe	Ser	Phe	Val	Ala	Thr	Gly	Leu	Met
			85							90					95

Glu Asp Asp Gly Lys Pro Arg Ala Pro Xaa Ala Pro Leu His Ser Val
100 105 110

Val Gln Gln Leu His Gly Lys Asn Leu Val Phe Ser Asp Gly Tyr Val
115 120 125

Val Lys Glu Thr Ile Gly Val Gly Ser Xaa Ser Glu Cys Lys Arg Cys
130 135 140

Val His Lys Gly Pro Xaa Xaa Xaa
145 150

<210> 1237

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1237
Arg Asp Thr Ser His Xaa Val Ala Gly Ala Leu Arg Pro Xaa Val Gln
1 5 10 15
Ala Thr Val Xaa Ala Thr Xaa Xaa Gln Pro Val Leu Asp Leu Lys Arg
20 25 30
Pro Phe Leu Ser Arg Glu Ser Leu Ser Gly Xaa Ala Cys Asp Arg Leu
35 40 45
Val Val Asp Ser Xaa Gly Ala Gln Xaa Pro Cys Phe Phe Leu Leu Ile
50 55 60
Pro Thr Gln Thr Ser Arg Xaa Leu Ile
65 70

<210> 1238
<211> 41
<212> PRT
<213> Homo sapiens

<400> 1238
Met Gly Phe Ser Leu Ile Pro Ser Ser Phe Ser His Leu Ala Asp Asn
1 5 10 15
Thr Thr Ser Leu Thr Asp Lys His Leu Asp Pro Ile Arg Glu Asn Leu
20 25 30
Gly Lys His Trp Glu Lys Leu Cys Pro
35 40

<210> 1239
<211> 42

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1239
His Asp Ser Cys Lys Lys Xaa Thr Lys His Tyr Glu Met Leu Ala Asn
1 5 10 15
Arg Xaa Ala Ala Asn Gly His Cys Ile Asp Ile Tyr Xaa Cys Ala Pro
20 25 30
Asp Gln Thr Gly Leu Leu Xaa Leu Xaa Cys
35 40

<210> 1240
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1240

Leu Glu Ser Leu Gln Glu Asn His Phe Gln Glu Asp Xaa Gln Phe Leu
 1 5 10 15

Gly Ala Val Met Pro Arg Leu Gly Ile Gly Met Asp Thr Cys Val Ile
 20 25 30

Pro Leu Lys His Gly Gly Leu Ser Leu Val Gln Thr Thr Asp Tyr Ile
 35 40 45

Tyr Pro Ile Val Asp Asp Pro Tyr Met Met Thr Pro Ala Val Ala Glu
 50 55 60

Xaa Arg Pro Val Pro Cys Pro His Leu Ala Leu Gly Ile Lys Gln Leu
 65 70 75 80

Gly Arg Lys Gln Glu Ser Pro Leu Leu Leu Gln Leu Asn Thr Cys
 85 90 95

Trp Xaa Asp Asn Met Cys Gln Cys Pro Gln
 100 105

<210> 1241

<211> 77

<212> PRT

<213> Homo sapiens

<400> 1241

Ser Arg Pro Val Gly Ser Gly Cys Asp Asn Pro Ser Asn Val Glu Lys
 1 5 10 15

Pro Gly Ala Cys Leu Ala Leu Cys Leu Leu Pro Ser Gly Gly Thr Glu
 20 25 30

Ser Gln Asp Gln Ser Ser Leu Cys Lys Gln Pro Pro Ala Gly His Lys
 35 40 45

Arg Ser Arg Ser Met Leu Asn Ser Asn Gly Ser Val Thr Val Val Val
 50 55 60

Phe Phe Lys Pro Ala Asp Thr Cys His Thr Ala Gly Ile
65 70 75

<210> 1242

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1242

Arg Leu Ala Ile Thr Gly Leu Thr Met Glu Arg Lys Val Leu Ala Leu
1 5 10 15

Gln Ala Arg Lys Lys Arg Thr Lys Ala Lys Lys Asp Lys Ala Gln Arg
20 25 30

Lys Ser Glu Thr Gln His Arg Gly Ser Ala Pro His Ser Glu Ser Asp
35 40 45

Leu Pro Glu Gln Glu Glu Ile Leu Gly Ser Asp Asp Asp Glu Gln
50 55 60

Glu Asp Pro Asn Asp Tyr Cys Lys Gly Gly Tyr His Leu Val Lys Ile
65 70 75 80

Gly Asp Leu Phe Asn Gly Arg Tyr His Val Ile Arg Lys Leu Gly Trp
85 90 95

Gly His Phe Ser Thr Val Xaa Val Ile Met Gly Tyr Ser Ser
100 105 110

<210> 1243

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (74)
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<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1243

Xaa Thr Ile Xaa Glu Glu Xaa Val Pro Leu Xaa Val Pro Val Arg Asn
1 5 10 15

Ser Arg Val Asp Pro Arg Val Arg Tyr Asp Asn Leu Ile Thr Pro Ala
20 25 30

Met Xaa Gly Ala Gly Xaa Leu Gln Gly Asn Val Asp Ser Cys Gln Gly
35 40 45

Asp Xaa Gly Gly Pro Leu Val Thr Ser Lys Asn Asn Ile Trp Xaa Leu
50 55 60

Ile Gly Asp Thr Ser Trp Gly Ser Gly Xaa Ala Lys Ala Tyr Arg Pro
65 70 75 80

Gly Val Tyr Gly Asn Xaa Met Xaa Phe Thr Asp Trp Xaa Xaa Arg Gln
85 90 95

Met Arg Ala Asp Gly
100

<210> 1244

<211> 80

<212> PRT

<213> Homo sapiens

<400> 1244

Gly Val Tyr Thr Met Ser Lys Ala His Pro Pro Glu Leu Lys Lys Phe
1 5 10 15

Met Asp Lys Lys Leu Ser Leu Lys Leu Asn Gly Gly Arg His Val Gln
20 25 30

Gly Ile Leu Arg Gly Phe Asp Pro Phe Met Asn Leu Val Ile Asp Glu
35 40 45

Cys Val Glu Met Ala Thr Ser Gly Gln Gln Asn Asn Ile Gly Met Val
50 55 60

Val Ile Arg Gly Asn Ser Ile Ile Met Leu Glu Ala Leu Glu Arg Val
65 70 75 80

<210> 1245
 <211> 129
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (128)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1245

Phe Ile Met Asp Asn Leu Ser Ser Glu Glu Ile Gln Gln Arg Ala His
 1 5 10 15

Gln Ile Thr Asp Glu Ser Leu Glu Ser Thr Arg Arg Ile Leu Gly Leu
 20 25 30

Ala Ile Glu Ser Gln Asp Ala Gly Ile Lys Thr Ile Thr Met Leu Asp
 35 40 45

Glu Gln Lys Glu Gln Leu Asn Arg Ile Glu Glu Gly Leu Asp Gln Ile
 50 55 60

Asn Lys Asp Met Arg Glu Thr Glu Lys Thr Leu Thr Glu Leu Asn Lys
 65 70 75 80

Cys Cys Gly Leu Cys Val Cys Pro Cys Asn Arg Thr Lys Asn Phe Glu
 85 90 95

Ser Gly Lys Ala Tyr Lys Thr Thr Trp Gly Asp Gly Gly Glu Asn Ser
 100 105 110

Pro Cys Asn Val Val Ser Lys Gln Pro Gly Pro Val Thr Asn Gly Xaa
 115 120 125

Leu

<210> 1246
 <211> 136
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1246

Ser Thr Glu Gly Tyr Gly Cys Glu Lys Thr Thr Glu Gly Tyr Gly Cys
1 5 10 15

Glu Lys Thr Thr Glu Gly Gly Ser Met Ala Tyr Pro Gly His Pro Gly
20 25 30

Ala Gly Gly Gly Tyr Tyr Pro Gly Gly Tyr Gly Gly Ala Pro Gly Gly
35 40 45

Pro Ala Phe Pro Gly Gln Thr Gln Asp Pro Leu Tyr Gly Tyr Phe Ala
50 55 60

Ala Val Ala Gly Gln Asp Gly Gln Ile Asp Ala Asp Glu Leu Gln Arg
65 70 75 80

Cys Leu Thr Gln Ser Gly Ile Ala Gly Gly Tyr Lys Pro Phe Asn Leu
85 90 95

Glu Thr Cys Arg Leu Met Val Ser Met Leu Asp Arg Asp Met Ser Gly
100 105 110

Thr Met Gly Phe Asn Glu Phe Lys Glu Leu Trp Ala Val Leu Asn Gly
115 120 125

Trp Arg Gln His Phe Xaa Asn Phe
130 135

<210> 1247

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1247
His Ser Gly Gly Pro Xaa Arg Pro Ala Val Ala Asp Val Gly Leu Gly
1 5 10 15
Gly Arg Ala Arg Arg Arg Xaa Pro Thr Gly Ala Ser Thr Trp Gly Thr
20 25 30
Ser Xaa Arg Arg Ala Arg Glu Gly Thr Trp Xaa Asp Leu Phe Tyr Lys
35 40 45
Tyr Xaa Arg Ile Arg Glu Ile Glu Leu Lys Asn Arg Xaa Xaa Ser Ser
50 55 60
Cys Arg Pro Ser Cys Ala Ser Arg Asn Pro Arg Asp Ala Xaa Asp Ala
65 70 75 80
Ile Tyr Xaa Lys Lys Trp Leu

85

<210> 1248
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1248

Xaa Ser Xaa Phe Gly Xaa Pro Ala Arg Arg Ser Gly Pro Glu Leu Pro
1 5 10 15

Gly Arg Pro Thr Arg Pro Ala Thr Ile Leu Lys Gln Met Gln Val Leu
20 25 30

His Pro Ala Ala Arg Met Leu Xaa Glu Leu Xaa Lys Ala Gln Asp Ile
35 40 45

Glu Ala Gly Asp Gly Thr Thr Ser Xaa Xaa Ile Ile Ala Gly Ser Leu
50 55 60

Leu Asp Ser Xaa Thr Lys Leu Leu Gln Lys Gly Ile His Pro Thr Ile
65 70 75 80

Ile Ser Glu Xaa Phe Gln Lys Ala Leu Glu Lys Gly Ile Glu Xaa Leu
85 90 95

Thr Asp Met Xaa Arg Pro Xaa Glu Leu Xaa Asp Arg Glu Thr Leu Val
100 105 110

<210> 1249

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1249

Lys Phe Met Asn Ser Arg Val Phe Lys Lys Ile Gln Ala Leu Lys Ala
1 5 10 15

Ser Pro Ser Lys Lys Arg Cys Asn Ser Ile Ala Ala Leu Lys Ala Thr
20 25 30

Ser Gln Glu Ile Val Ser Ser Ile Ser Gln Glu Trp Lys Asp Glu Lys
35 40 45

Arg Asp Leu Leu Thr Glu Gly Gln Ser Phe Ser Ser Leu Asp Glu Glu
50 55 60

Ala Leu Gly Ser Arg His Arg Pro Asp Leu Val Pro Ser Thr Pro Ser
65 70 75 80

Leu Phe Glu Ala Ala Ser Leu Ala Thr Thr Ile Ser Leu Leu Pro Ile
85 90 95

Arg Gln Trp Ala Leu Ser Thr Arg Gln Gly Leu Gln Phe Xaa Gln Thr
100 105 110

Arg

<210> 1250

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1250
Gly Xaa His Val Phe Arg Asn Ile His Lys Thr Asn Leu Cys Asp Leu
1 5 10 15
Ile Thr Ser Leu Leu Cys Leu Xaa Val Leu Leu Pro Thr Lys Glu Leu
20 25 30
Asn Glu His Phe Xaa Ser Lys Leu Lys Ala Pro Ile Pro Ile Glu Leu
35 40 45
Val Val Val Val Xaa Ala Thr Leu Thr Ser His Phe Gly Lys Leu His
50 55 60
Glu Asn Tyr Asn Ser Ser Ile Ala Gly His Xaa Pro
65 70 75

<210> 1251
<211> 151
<212> PRT
<213> Homo sapiens

<400> 1251
Leu Val Ser Asn Gly Pro Ala Asp Thr Leu Asp Leu Thr Tyr Trp Ile
1 5 10 15
Asp Gly Thr Arg His Val Val Ser Leu Glu Asp Val Gly Leu Ala Asp
20 25 30
Ser Gln Trp Lys Asn Val Thr Val Gln Val Ala Gly Glu Thr Tyr Ser
35 40 45
Leu His Val Gly Cys Asp Leu Ile Asp Ser Phe Ala Leu Asp Glu Pro
50 55 60

Phe Tyr Glu His Leu Gln Ala Glu Lys Ser Arg Met Tyr Val Ala Lys
65 70 75 80

Gly Ser Ala Arg Glu Ser His Phe Arg Gly Leu Leu Gln Asn Val His
85 90 95

Leu Val Phe Glu Asn Ser Val Glu Asp Ile Leu Ser Lys Lys Gly Cys
100 105 110

Gln Gln Gly Gln Gly Gly Arg Cys Val Val Lys Asn Ala Phe Tyr Ile
115 120 125

Leu Ala Trp Met Asp Phe Tyr Cys Asp Met Val Tyr Val Cys Val Cys
130 135 140

Met Cys Val His Ser Cys Leu
145 150

<210> 1252

<211> 56

<212> PRT

<213> Homo sapiens

<400> 1252

Lys Asn Gly Thr Ser Leu Cys Phe Ser Ser Ala Thr Met Ser Asp Lys
1 5 10 15

Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ser Lys Leu Lys Lys
20 25 30

Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu Thr Ile Glu
35 40 45

Gln Glu Lys Gln Ala Gly Glu Ser
50 55

<210> 1253

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<220>
<221> SITE
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<220>
<221> SITE
<222> (43)
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<220>
<221> SITE
<222> (44)
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<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1253

Ala Glu Gly Pro Xaa Ala Ala Ala Leu Leu Leu Ser Leu Leu Leu Phe
1 5 10 15

Gly Phe Thr Leu Val Xaa Gly Thr Gly Ala Glu Lys Thr Gly Val Xaa
20 25 30

Pro Glu Leu Gln Ala Ala Pro Ala Thr Xaa Xaa Xaa Xaa Cys Val Leu
35 40 45

Xaa Asn Ser Glu Met Xaa Arg Thr Thr Ser Lys Xaa Leu Xaa Gly Gly
50 55 60

Xaa Val Xaa Pro Ser Ala Ser Leu Pro Gln
65 70

<210> 1254

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (121)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (125)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1254
 Ser Pro Ala Arg Pro Leu Ile Arg Ser Asp Lys Met Lys Glu Thr Ile
 1 5 10 15
 Met Asn Gln Glu Lys Leu Ala Lys Leu Gln Ala Gln Val Arg Ile Gly
 20 25 30
 Gly Lys Gly Thr Ala Arg Arg Lys Lys Lys Val Val His Arg Thr Ala
 35 40 45
 Thr Ala Asp Asp Lys Lys Leu Gln Phe Ser Leu Lys Lys Leu Gly Val
 50 55 60
 Asn Asn Ile Ser Gly Ile Glu Glu Val Asn Met Phe Thr Asn Gln Gly
 65 70 75 80
 Thr Val Ile His Phe Asn Asn Pro Lys Val Gln Ala Ser Xaa Ala Ala
 85 90 95
 Asn Thr Phe Thr Ile Thr Gly His Ala Glu Thr Lys Xaa Leu Thr Xaa
 100 105 110
 Met Leu Pro Xaa Ile Leu Asn Gln Xaa Gly Ala Asp Xaa Leu Thr Lys
 115 120 125
 Phe

<210> 1255
 <211> 188
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>

<221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (165)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (183)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (188)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1255
 Xaa Thr Ser Leu Glu Thr Pro Val Pro Val Leu Asn Ser Arg Leu Asp
 1 5 10 15

 Pro Arg Val Arg Met Thr Val Pro Gly Ala Ser Pro Glu Asp Xaa Trp
 20 25 30

 Val Lys Val Glu Tyr Ala Tyr Ser Asp Asn Ser Leu Asp Pro Gly Leu
 35 40 45

 Phe Val Glu Ser Thr Arg Lys Gly Ser Val Val Ser Arg Ala Asn Ser
 50 55 60

 Ile Gly Ser Thr Ser Ala Ser Ser Val Pro Asn Thr Asp Asp Glu Asp
 65 70 75 80

 Ser Asp Tyr His Gln Glu Ala Tyr Lys Glu Ser Tyr Lys Asp Arg Arg
 85 90 95

 Arg Arg Xaa Thr His Xaa Arg Leu Glu Gln Lys Arg Arg Asp Ala Ile
 100 105 110

Lys Arg Gly Tyr Asp Asp Leu Gln Thr Ile Val Pro Thr Cys Gln Gln
 115 120 125

Gln Asp Phe Ser Ile Gly Ser Gln Lys Leu Ser Lys Ala Ile Val Tyr
 130 135 140

Lys Arg Pro Leu Thr Thr Phe Ser Phe Cys Thr Arg Arg Arg Lys Ser
 145 150 155 160

Arg Arg Arg Arg Xaa His Val Thr Gln Gly Cys Thr Gly Leu Lys Ile
 165 170 175

Met Lys Val Asn Tyr Glu Xaa Ile Val Lys Ala Xaa
 180 185

<210> 1256

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1256

Leu Pro Cys Val Lys Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg
 1 5 10 15

Xaa Arg Ala Arg Met Leu Asn Leu Leu Leu Xaa Ala Leu Ala Val Leu
20 25 30
Ala Ser Arg Ala Tyr Ala Xaa Pro Ala Pro Gly Gln Ala Leu Gln Arg
35 40 45
Val Gly Ile Val Gly Gly Xaa Glu Ala Pro Arg Ser Lys Trp Pro Trp
50 55 60
Xaa Val
65

<210> 1257
<211> 146
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1257

Gly Xaa Glu Gly Lys Xaa Phe Ser Val Ser Gly Xaa Trp Ser Ser Thr
1 5 10 15
Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
20 25 30
Ser Ala Arg Ala Ala Gln Gln Arg Leu Thr Leu Cys Leu Arg Gly Arg
35 40 45
Glu Ser Pro Gly Gly Arg His Gly Gly Val Gly Glu Pro Ala Gln Glu
50 55 60
Asn Gly Val Gln Val Phe Asn Asp Gly Ser Ser Arg Glu Leu Met Asn
65 70 75 80
Leu Thr Gly Thr Ile Pro Val Pro Tyr Arg Gly Asn Thr Tyr Asn Ile
85 90 95
Pro Ile Cys Leu Trp Leu Leu Asp Thr Tyr Pro Tyr Asn Pro Pro Ile
100 105 110
Cys Phe Val Lys Pro Thr Ser Ser Met Thr Ile Lys Thr Gly Lys His
115 120 125
Val Asp Xaa Pro Lys Lys Xaa Gly Gly Xaa Lys Lys Gly Lys Ile Leu
130 135 140
Xaa Phe
145

<210> 1258

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1258
Xaa Ile Pro Pro Asp His Gln Thr Leu Ile Phe Ala Gly Lys His Leu
1 5 10 15
Glu Asn Gly Xaa Xaa Leu Ser Asp Tyr Xaa Xaa His Lys Glu Ser Xaa
20 25 30
Leu His Leu
35

<210> 1259
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1259

Val Lys Val Cys Met Met Met Xaa Leu Leu Xaa His Arg Leu Leu Lys
1 5 10 15

Trp Ser Trp Ile Val Arg Ser Lys Leu Leu Leu Gln Asp Pro Pro Val
20 25 30

Thr Tyr Ile Gln Gln Phe Ala Asp Ala Ala Xaa Asn Leu Thr Ser Xaa
35 40 45

Asp Ser Glu Lys Trp Asn Ser Val Phe Pro Lys Pro Gly Thr Leu Val
50 55 60

Gln Val Leu Glu Ala Ala Lys Phe Ala
65 70

<210> 1260

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1260
Leu Cys Ser Thr Xaa Xaa Xaa Arg His Asn Ile Gln Lys Glu Leu Cys
1 5 10 15
Leu His Ala Ala Gln Gly Leu Ala Gln Leu Lys Ala Cys Thr Tyr Lys
20 25 30
Gly His Lys Thr Gly Xaa Thr Xaa Glu Xaa Ile Trp Glu Ile Gln Lys
35 40 45
Asp Gln Leu Xaa Tyr Tyr Pro Phe Leu Lys Met Cys Leu Ser Ala Asn
50 55 60
Xaa Glu His Xaa Ser Leu Val Asp Ala Thr His Xaa Asn His Ser Xaa
65 70 75 80
Asn Gly Tyr Leu Ala Lys Met Ile Lys Arg Ser Leu Lys Leu Thr
85 90 95

<210> 1261
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1261
Phe Gly Thr Arg Lys Arg Met Glu Thr Lys Gly Ala Gly Val Thr Leu
1 5 10 15
Asn Val Leu Glu Met Thr Ser Glu Asp Leu Glu Asn Ala Leu Lys Ala
20 25 30
Val Ile Asn Asp Lys Ser Tyr Lys Glu Asn Ile Xaa Arg Leu Ser Ser
35 40 45
Leu His Lys Asp Arg Pro Val Glu Pro Leu Asp Leu Ala Val Phe Trp
50 55 60
Val Glu Phe Val Met Arg His Lys Gly Ala Pro His Leu Arg Pro Ala
65 70 75 80
Pro His Gly Pro His Xaa Val Pro Val Pro Xaa Pro Trp Pro
85 90

<210> 1262
<211> 66
<212> PRT
<213> Homo sapiens

<400> 1262
Gly Thr Gly Gln His Trp His Ser Gln Ala Val Gly Lys Gly Arg Asp

1 5 10 15
Ala Glu Val Val Ser Ile Leu Thr Phe Arg Gly Leu Phe Leu Phe Val
20 25 30
Leu Ile Phe Ala Arg Leu Ile Leu Lys Thr His Val Glu Glu Leu Lys
35 40 45
Glu Cys Leu Glu Asp Gln Lys Ser Pro Met Thr Gly Thr Lys Ala Thr
50 55 60
Asn Phe
65

<210> 1263

<211> 121

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1263

Asn Thr Met Ala Val Ala Ala Val Lys Trp Val Met Ser Lys Arg Thr
1 5 10 15
Ile Leu Lys His Leu Phe Pro Val Gln Asn Gly Ala Leu Tyr Cys Val
20 25 30
Cys His Lys Ser Thr Tyr Ser Pro Leu Pro Asp Asp Tyr Asn Cys Asn
35 40 45
Val Glu Leu Ala Leu Thr Ser Asp Gly Arg Thr Ile Val Cys Tyr His
50 55 60
Pro Ser Val Asp Ile Pro Tyr Glu His Thr Lys Pro Ile Pro Arg Xaa
65 70 75 80
Asp Pro Val His Asn Asn Glu Glu Thr His Asp Gln Val Leu Lys Thr
85 90 95
Arg Leu Glu Glu Lys Val Glu His Leu Glu Glu Gly Pro Met Ile Glu
100 105 110
Gln Leu Ser Lys Met Phe Leu Tyr Tyr
115 120

<210> 1264
<211> 101
<212> PRT
<213> Homo sapiens

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<400> 1264
Val Ala Ser Gly Val Gly Arg Val Thr Val Asn Ala Tyr Val Ser Leu
1 5 10 15
Phe Tyr Thr Ile Lys Arg Ala Gln Val Val Ser Pro Glu Arg Val Gly
20 25 30
Ser Trp His Ile Gly Arg Pro Ser Asp Pro Val Gln Cys Leu Leu Ala
35 40 45
Ile Leu Pro Glu Gln Ala Leu Lys Pro Lys Ser His Pro Arg Pro Val
50 55 60
Ser Ala Xaa Ala Lys Ala Ser Leu Ser Ser Gly Arg Arg Gly Lys Gly
65 70 75 80
Ala Gly Asp Gln Ala Leu Ala Leu Gly Pro Ser Phe Ser Pro His Xaa
85 90 95
Gly Asn Lys Xaa Xaa
100

<210> 1265
<211> 43
<212> PRT
<213> Homo sapiens

<400> 1265
Asp Leu Leu Met Lys Met Thr Ile Ser Cys Cys Phe Tyr Pro Thr Ser
1 5 10 15
Ala Phe Ser Pro Phe Lys Ala Ala Val Ser Cys Leu Ile Lys Glu Tyr
20 25 30
Trp Pro Val Leu Gln Ile Leu Thr Gly Phe Gly
35 40

<210> 1266
<211> 29
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<400> 1266
Gly Ser Trp Pro Gly Ala Xaa Gly Xaa Arg Asp Gly Ser His Gly Xaa
1 5 10 15
Arg Leu Xaa Ala His Gly Pro Ile Asn Leu Glu Arg Ile
20 25

<210> 1267
<211> 59
<212> PRT
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1267

Xaa Pro Xaa Phe Xaa Gln Glu Leu Ile Gln Asn Phe Pro Asp Lys Xaa
1 5 10 15
Asn Leu Xaa Leu Val Phe Leu Leu Phe Phe Val Leu Val Asn Leu Gly
20 25 30
Ser Asn Val Ile Arg Asn Ser Leu Trp Xaa Xaa Ala Thr Asp Ala Gln
35 40 45
Pro Val Xaa Val Asp Tyr Ser Ser Ser Asn Xaa
50 55

<210> 1268

<211> 49

<212> PRT

<213> Homo sapiens

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<400> 1268

Val Phe Lys Lys Asn Met Ser Cys Xaa Leu Ser Lys Asn Lys Met His
1 5 10 15
Leu Asn Ser Lys Lys Lys Lys Lys Lys Lys Xaa Gly Gly Gly Arg
20 25 30

Gly Lys Lys Lys Xaa Glu Xaa Glu Xaa Leu Lys Lys Gly Arg Gly Ala
35 40 45

Pro

<210> 1269

<211> 61

<212> PRT

<213> Homo sapiens

<400> 1269

Pro Thr Leu Pro Glu Glu Asn Ser Val Phe Phe Thr Phe His Thr Val
1 5 10 15

Phe Pro Met Arg Glu Gly Ala Gln Pro Glu Ser Thr Thr Ile Met Val
20 25 30

Lys Phe Pro Thr Glu Ser Ser Cys Glu Trp Ile Ile Arg Lys Asn Glu
35 40 45

Glu Ser Lys Arg Gln Lys Ser Lys Asn Arg Trp Gly Leu
50 55 60

<210> 1270

<211> 29

<212> PRT

<213> Homo sapiens

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<222> (29)

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<400> 1270

Asn Ile Asn Lys Asp His Leu Met His Ala Phe Lys Lys Lys Lys Lys
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Xaa Xaa
20 25

<210> 1271

<211> 113

<212> PRT

<213> Homo sapiens

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<400> 1271

Gly Pro Lys Glu Glu Leu Arg Gly Gly Gly Gly Asp Met Ala Asp Leu
1 5 10 15

Pro Arg Arg Val Thr Arg Pro Leu Met Met Gly Leu Gln Gly Ser Ser

	20		25		30
Gly	Leu	Xaa	Ala	Xaa	Thr
	35				40
Gln	Arg	Lys	Arg	Ala	Gly
					45
Ile	Val	Thr			
Gly	Ser	Asp	Gly	Xaa	His
	50				55
Ser	Glu	Arg	Glu	Xaa	Ala
					60
Gly	Thr	Gly			
Ile	Val	Thr	Val	Thr	Ala
	65				70
Ser	Thr	Asn	Gly	Gly	Ser
					75
Gly	Ser	Gly	Ala		
					80
Xaa	Xaa	Arg	Gly	Arg	Asp
					85
Glu	Ala	Arg	Ser	Trp	Gly
					90
Arg	Trp	Pro	Gly		
					95
Gln	Arg	Val	Gly	Arg	Phe
					100
Gln	Arg	Gln	Pro	Arg	Ile
					105
Leu	Xaa	Glu			
					110

Phe

<210> 1272

<211> 87

<212> PRT

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<400> 1272
Gly Lys Ser Asn Val Leu Trp Xaa Gln Arg Arg Gly Arg Xaa Gln His
1 5 10 15
Leu Ala Trp Xaa Ser Gln Gly Thr Gln Xaa Arg Ser Pro Pro Gly His
20 25 30
Asn Thr Xaa Lys Ala Ser Tyr Ser Gly Val Glu Ser Phe Gln Gln Pro
35 40 45
Gly Pro Val Leu Gly Xaa Tyr Ser His Pro Pro Tyr Arg Cys Val Tyr
50 55 60
Val Thr Leu Cys His Xaa Xaa Ser Xaa Thr Ile Xaa Asn Ser Gln Glu
65 70 75 80
Ser Pro His Phe Tyr Asn Leu
85

<210> 1273
<211> 115
<212> PRT
<213> Homo sapiens

<220>

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<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1273

His Lys Ala Pro Leu Glu His Leu Pro Gly Trp Gln Asp His Ala Ile
1 5 10 15

Ser Val Glu Lys Val Leu Gly Arg Glu Val Leu Pro Val Pro His Gly
20 25 30

Val Arg Pro Cys Pro Cys Trp Gly Leu Trp Gly Gly Ile Trp Tyr Ser
35 40 45

Gly Gly Leu Ala Gln Leu Ser Leu Arg Ser Phe Pro Ile Arg Met Leu
50 55 60

Val Asn Ile Leu Arg Ser Ser Leu Phe Ser Asn Lys Glu Tyr Ser Phe
65 70 75 80

Asn Ser Cys Ser Ser Ser Gln Phe Thr Thr Pro Ile Cys Leu Ser Lys
85 90 95

Ile His Pro Asn Gly Ile Xaa Gly Xaa Gly Pro Pro Trp Ile Gln Ser
100 105 110

Val Ser Trp
115

<210> 1274

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1274

Glu Leu Val Ser Ser Phe Phe Phe Phe Phe Phe Leu Phe Phe Gly Ser
1 5 10 15

Phe Lys Gly Asn Gly Pro Ser Met Ser Ile Phe Asn Ile Leu His Ser
20 25 30

Leu Phe Leu Trp Cys

35

<210> 1275
<211> 107
<212> PRT
<213> Homo sapiens

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<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1275

Asp Cys Gly Thr Leu Ile Ile Tyr His Ala Gly Ser Pro Gln Lys Pro
1 5 10 15

Cys Ala His Glu Pro Leu Trp Ala Xaa Gly Glu Lys Arg Gly Leu Arg
20 25 30

Glu Leu Pro Glu Arg Ala Val Ser Trp Glu Gln Gly Asp Ile Ser Ser
35 40 45

Pro Xaa Thr Arg Asn Met Thr Gln Xaa Xaa Gly Asn Lys Lys Pro Ser
50 55 60

Pro Xaa Xaa Xaa Gly Gly Ala Arg Pro Leu Lys Ser Thr Met Xaa Ala
65 70 75 80

Gly Gly Ile Xaa Val Lys Xaa Ser Gly Phe Xaa Lys Asp His Ile Phe
85 90 95

Phe Ser Gln Phe Xaa Xaa Pro Xaa Phe Xaa Cys
100 105

<210> 1276

<211> 85

<212> PRT

<213> Homo sapiens

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<222> (6)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 1276
Ile Asn Lys Ile Cys Xaa Asn Leu Tyr Pro Leu Leu Trp His Phe Xaa
1 5 10 15
Xaa Ile Ile Xaa Ala Arg Lys Met Xaa Xaa Asn Xaa Gly Pro Gly Xaa
20 25 30
Glu Gly Lys Glu Pro Phe Leu Val Ala Gly Asn Cys Val Gly Lys Glu
35 40 45
Val Gln Ile Cys Ala Tyr Glu Ile Ser Arg Asn Arg Trp Asn Xaa Thr
50 55 60
Pro Met Gln Leu Leu Leu Xaa Xaa Lys Gln Gly Ala Trp Ser Asn Gly
65 70 75 80
Xaa Thr Leu Cys Leu
85

<210> 1277
<211> 40
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1277

Trp	Val	Tyr	Thr	Val	Val	Arg	Gln	Val	Ser	Phe	Thr	Leu	Leu	Met	Met
1				5					10					15	

Cys	Cys	Cys	His	Gly	Asn	Pro	Ala	Gln	Tyr	Glu	Arg	Asn	Arg	Arg	Phe
			20					25					30		

Xaa	His	Leu	Val	Tyr	Val	Leu	Gly
		35				40	

<210> 1278

<211> 65

<212> PRT

<213> Homo sapiens

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<222> (8)

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<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1278

Asn Tyr His Ser Gly Gly Pro Xaa Lys Thr Pro Ala Gly Asp His Leu
1 5 10 15

Ala Xaa Trp Leu Lys Pro Pro Val Ser Ile Ser Lys Phe Xaa Pro Lys
20 25 30

Glu Gly Val Gly Xaa Lys Ile Trp Gly Asn Leu Ser Pro Phe Xaa Phe
35 40 45

Phe Pro Gly Thr Pro Pro Leu Xaa Gly Glu Thr Leu Ala Arg Gly Xaa
50 55 60

Xaa

65

<210> 1279

<211> 28

<212> PRT

<213> Homo sapiens

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<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1279

Val Ile Ala Asp Cys Ile Ala Leu Phe Leu Xaa Arg Leu Ser Ile Leu
1 5 10 15

Ile Gln Lys Val Ser Ile Phe Xaa Asn His Glu Ile
20 25

<210> 1280

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1280

Tyr	Glu	Gly	His	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe
1				5				10					15	

Phe Xaa Pro Pro Pro Xaa

20

<210> 1281

<211> 49

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1281
Xaa Xaa Leu Lys Asp Thr Cys Leu Lys Ala Glu Met Glu Ala Xaa Cys
1 5 10 15
Xaa Arg Arg Ile Leu Cys Xaa Asn Leu Ala Met Cys Phe Pro Cys Xaa
20 25 30
Trp Ala Asp Glu Cys Leu Leu Asn Asp Glu Ile Leu Thr Ser Lys Gly
35 40 45
Gly

<210> 1282
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1282

His Glu Pro Ala Ser Leu Ser Pro Ala Ala Trp Ala Arg Lys Val Cys
1 5 10 15

Gly Ser Phe Ser Gly Ser Asp Phe Xaa Thr Glu Leu His Arg Pro Thr
20 25 30

Xaa Leu Ser Pro Xaa Gly Leu Gln Gly Pro Gly Ser Arg Pro Lys Pro
35 40 45

Xaa Lys Ser Lys Thr Ser Leu Glu Lys Phe Arg Asp Arg Pro Gly Glu
50 55 60

Met Gly Xaa Arg Tyr Gly Val Ser His Leu Thr Pro Glu Asp Ala Xaa
65 70 75 80

Phe Ser Leu Gln Gly Ala
85

<210> 1283

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1283

Thr Pro Leu Ser Gln Asn Pro Ala Gln Ala Glu Arg Tyr Gly Ser Ala
1 5 10 15

Ala Glu Pro Arg Leu Ala Ser Asp Ser Arg Ser Pro Ala Cys Pro Arg
20 25 30

Arg Arg Ala Ala Pro Pro Ser Thr Arg Pro Ala Arg Ala Gly Gly Arg
35 40 45

Val Pro Arg Arg Ala Pro Gly Pro Gly Ser Gly Ala Glu Cys Pro Ser

50 55 60
 Ser Trp Glu Thr Gly Pro Gly Trp Lys Gly Gly Arg Leu Glu Asp Pro
 65 70 75 80
 Ser Leu Arg Thr Arg Ala Cys Xaa Ala Ile Xaa
 85 90

<210> 1284

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1284

Xaa Glu Xaa Ala Gly Lys Ala Ser Thr Pro Ala Gly Thr Gly Pro Glu
 1 5 10 15

Phe Pro Gly Leu Pro Thr Phe Pro His Arg Cys Ser Tyr Xaa Tyr Met
 20 25 30

Gln Asn Ile Cys Gln Ala Leu Cys Gln Leu Ser Cys Thr Tyr Gly Ile
 35 40 45

Glu Thr Met Glu Leu Gly Thr Ser Trp Ile Phe Phe Leu
 50 55 60

<210> 1285

<211> 63

<212> PRT

<213> Homo sapiens

<400> 1285

Leu Thr Lys Ser Phe Lys Ile Phe Cys Asp Asn Val Leu Ile Glu Ala
1 5 10 15
Tyr Ile Ile Leu Gln Phe Leu Glu Ser Lys Met Met Tyr Pro Leu Arg
20 25 30
Ile Tyr Thr Ser Cys Phe Ile Gly Leu Arg Gly Leu Ile Phe Ile Arg
35 40 45
Arg Asp Leu Leu Val Phe Thr Ile Cys Pro Leu Ser Trp His Val
50 55 60

<210> 1286

<211> 35

<212> PRT

<213> Homo sapiens

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<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1286

Ser Leu Tyr Pro Ile His Met Leu Phe Lys Asn Xaa Ala Ile Thr Lys
1 5 10 15
Lys Gln Ile Met Val Phe Phe Arg Asn Leu Ile Xaa Val Tyr Ser Thr
20 25 30
Lys Tyr Phe
35

<210> 1287

<211> 73

<212> PRT

<213> Homo sapiens

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<400> 1287
Xaa Glu Gly Val Gly Phe Xaa Xaa Val Asp Gly Gly Gly Glu Gly Arg
1 5 10 15
Pro Pro Glu Leu Xaa Leu Met Gln Ser Phe Leu Ala Met Xaa Asn Leu
20 25 30
Ser Val Ile Val Leu Ile Ile Lys Phe Xaa Val Phe Lys Lys Xaa Xaa
35 40 45
Xaa Leu Ser Xaa Leu Xaa Phe Xaa Thr Pro Trp Lys Val Pro Xaa Gly
50 55 60
Gly Gly Ala Gln Ser Xaa Trp Phe Ser
65 70

<210> 1288
<211> 77
<212> PRT
<213> Homo sapiens

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<400> 1288
Gly Gln Met Leu Ile Phe Cys Leu Gln Lys Lys Leu Gly Phe Pro Lys
1 5 10 15
Gln Phe Tyr Tyr Pro Val His Asn Ser Phe Thr Gln Xaa Ser Ser His
20 25 30
Gly Ile His Gly Ser Xaa Ser Phe Xaa Leu Pro Asp Gly Arg Asn Lys
35 40 45
Ile Ile His Phe Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60
Lys Arg Xaa Ala Xaa Xaa Glu Asp Pro Ser Xaa Arg Xaa
65 70 75

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<400> 1289
Ala Arg Thr Ala Xaa Ala Xaa Glu Gly Val Arg Xaa Trp Asp Leu Thr
1 5 10 15
Val Gly Pro Ile Ser Leu Phe Ser Ala Leu Leu
20 25

<210> 1290
<211> 41
<212> PRT
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<400> 1290
Asn Ser Ala Arg Ala His Leu His Leu Pro His Ser Pro Pro Leu Leu
1 5 10 15
Val Pro Asp Thr Ser Thr Pro Thr Trp Ser Ser Pro Ile Ala His Lys
20 25 30
Arg Gly Gly Thr Arg Asp Glu Leu Ser
35 40

<210> 1291
<211> 93
<212> PRT
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<400> 1291

Ser Arg Arg Pro Gly Pro Arg Gly Leu Val Xaa Ala Ser Gly Arg Gly
1 5 10 15

Pro Gly Ser Ser Gln Ser Phe Pro Ser Pro Asn Asp Val Ala Phe Phe
20 25 30

Val Val Cys Phe Arg Xaa Leu Lys Gln Pro Arg Arg Arg Leu Tyr Trp
35 40 45

Leu Ser Ala Leu Ala Thr Ala Val Val Met Val Thr Gly Pro Asn Ser
50 55 60

Arg Trp Pro Lys Pro Thr Cys His Arg Ala Gly Ser Leu Val Gly Arg
65 70 75 80

Xaa Gln Ala Arg Gly Xaa Ala Xaa Ala Glu His Ser Phe
85 90

<210> 1292

<211> 130

<212> PRT

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1292

Gln Ala Ala Glu Pro Lys Glu Phe Ala Pro Arg Cys Gly Pro Thr Trp
1 5 10 15

Leu Gly Pro Cys Pro Gly Arg Val Ile Leu Cys Ser Glu Ala Ile Ser
20 25 30

Gly Thr Gly Pro Pro Arg Pro Thr Pro Pro Glu His Gly Ser Arg Leu
35 40 45

Pro Gln Pro Ser Trp Leu Arg Arg Leu Ser Glu Pro Arg Gly Gly Leu
50 55 60

Glu Gly Arg Phe Val Cys Arg Asp Gly Ala Arg Ala Gln Val Leu Asp
65 70 75 80

Val Val Cys Ile Glu Arg Pro Lys Ala Gly Gly Lys Cys Thr Gly His
85 90 95

Lys Arg Ser Leu Ser Cys Asp Ala Gln Val Leu Arg Ser Gly Arg Xaa
100 105 110

Pro Ala Gly Ser Gly His Xaa Trp Val His Arg Gly Ala Phe Gln Thr
115 120 125

Asn Met

130

<210> 1293

<211> 31

<212> PRT

<213> Homo sapiens

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<400> 1293

Trp	Phe	Pro	His	Ser	Arg	Cys	Phe	Xaa	Ile	Arg	Ile	Arg	Val	Leu	Leu
1				5					10				15		

Glu	Arg	Xaa	Ser	Cys	Ser	Xaa	Tyr	Arg	Ile	Val	Val	Val	Xaa	Phe	
			20					25					30		

<210> 1294

<211> 35

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<400> 1294

Gly	Gly	Xaa	Val	Pro	Asn	Cys	Pro	Tyr	Ser	Glu	Cys	Val	Leu	Gln	Leu
1				5				10					15		

Thr Gly Xaa Trp Xaa Tyr Xaa Val Val Asp Trp Glu Lys Xaa Trp Gly

20 25 30

Tyr Pro Thr
35

<210> 1295
<211> 84
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<400> 1295
Phe Gln Phe Ala Asn Arg Thr Asn Thr Gly Glu Asn Leu Pro Lys Thr
1 5 10 15
Leu Val Ile Lys Tyr Ile Ser Ser Thr Phe Arg Ser Phe Phe Phe Trp
20 25 30
Asp Ser Val Ser Asn Lys Xaa Ile Lys Ile Lys Xaa Gly Xaa His Phe
35 40 45

Ala Val Ala Ala Val Gln Arg Thr Leu Leu Asn Leu Tyr Val Arg His
50 55 60

Ser Met Leu Tyr Trp Gly Asn Leu Gly Arg Ser Xaa Val Phe Xaa Ile
65 70 75 80

His Ile Xaa Ile

<210> 1296

<211> 35

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1296

Ser Xaa Asn Val Val Xaa Leu Pro Phe Val Lys Ala Pro Lys Xaa Arg
1 5 10 15

Asn Pro Asn Leu Thr Cys Asn Thr Xaa Leu Thr Gln Asn Gly Ser Tyr
20 25 30

Ile Xaa Leu
35

<210> 1297
<211> 102
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1297

Gly Val Leu Ala Arg Ala Xaa Xaa Xaa Pro Gly Ala Ala Asp Gly Arg
1 5 10 15

Ala Arg Leu Cys Gly Pro Glu Val Gly Ala Xaa Xaa Ala Lys Val Ala
20 25 30

Gly Ala Ala Glu Pro Asp Glu Asp Gly Gly Arg Ser Gly Phe Gly Thr
35 40 45

Ala Glu Thr Thr His Arg Ala Ser Ala Trp Ala Arg Arg Ser Asp Ala
50 55 60

Val Val Pro Gly Arg His Ser Gly Arg His Arg Asp Gly Gln Lys Xaa
65 70 75 80

Arg Arg Val Phe Val Val Phe Val Ala Val Met Met Asn Xaa Leu His
85 90 95

Xaa Trp Leu Gln Val Xaa
100

<210> 1298

<211> S1

<212> PRT

<213> Homo sapiens

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<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1298

Cys Lys Gln Tyr Leu Thr Asn Pro Gln Val Leu Asn Tyr Gln Thr Cys
1 5 10 15

Ile Lys Asn Phe Gly Trp Gly Asp Leu Gly Ala Glu Pro Ser Leu Arg

20 25 30
Xaa Xaa His Ala Xaa Thr Ser Pro Val Lys Ala Asn Tyr Tyr Thr Arg
35 40 45
Leu Ile Gln
50

<210> 1299
<211> 64
<212> PRT
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<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1299

Arg Thr Xaa Gln Gly Glu Gly Gln Arg Arg Arg Pro Cys Lys Ser Xaa
1 5 10 15

Val Lys Lys Lys Lys Xaa Xaa Xaa Pro Xaa Tyr Arg Leu Glu Glu Val
20 25 30

Lys Asp Lys Asp Gly Lys Pro Leu Leu Xaa Lys Glu Ser Xaa Gly Thr
35 40 45

Ala Ser Thr His Gly Val Glu Asp Phe Leu Leu Gly Trp Leu Cys Val
50 55 60

<210> 1300

<211> 58

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1300

Lys Met Lys Leu Cys Arg Lys Cys Ser Pro Gln His Asp Xaa Glu Arg
1 5 10 15

Asn Ser Gly Thr Arg Phe Phe Pro Val Pro Leu Phe Ser Gln Gly Ser
 20 25 30

Ala Gly Ile Gln Gly Gln Arg Ile Ser Leu Pro Glu Cys Ala Lys Xaa
 35 40 45

Xaa Glu Lys Gly Asn Cys Leu Ser Leu Xaa
 50 55

<210> 1301

<211> 37

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1301

Thr Leu Val Gln Xaa Val Val Ser Gly Ala Ser Val Xaa Gly Lys Ser
 1 5 10 15

Pro Pro Tyr Xaa Lys Trp Asn Ser Pro Glu Pro Val Cys Glu Arg Xaa
 20 25 30

Thr Gly Val Xaa Ser
 35

<210> 1302
<211> 75
<212> PRT
<213> Homo sapiens

<400> 1302
Gln Glu Glu Ala Leu His Ile Leu Gly Phe Gln Pro Pro Phe Glu Asp
1 5 10 15
Ile Arg Phe Gly Pro Phe Thr Gly Asn Thr Thr Leu Met Arg Trp Phe
20 25 30
Arg Gln Ile Asn Asp His Phe His Val Lys Gly Cys Ser Tyr Val Leu
35 40 45
Tyr Lys Pro His Gly Lys Asn Lys Thr Ala Gly Glu Thr Ala Ser Gly
50 55 60
Ala Leu Ser Lys Leu Thr Arg Gly Ile Glu Arg
65 70 75

<210> 1303
<211> 26
<212> PRT
<213> Homo sapiens

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<400> 1303
Ala Xaa Xaa His His Pro Trp Xaa Xaa Leu Xaa Trp Glu Arg Phe Arg
1 5 10 15
Cys Asn Ile Asn Cys Asp Glu Asp Pro Lys
20 25

<210> 1304
<211> 46
<212> PRT
<213> Homo sapiens

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<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1304

Gly Arg Val Lys Xaa Phe Xaa Gly Ala Pro Gly Asn Xaa Ala Asp Xaa
1 5 10 15

Xaa Xaa Phe Arg Thr Gln Met Met Asp Leu Glu Leu Ala Met Xaa Arg
20 25 30

Gln Asn His Gly Leu Ser Ser Tyr Asp Xaa Gly Gly Xaa Val
35 40 45

<210> 1305

<211> 70

<212> PRT

<213> Homo sapiens

<220>

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<400> 1305
Lys Ser Glu Gly Xaa Met Phe Cys Glu Thr Phe Ile Phe Leu Lys Glu
1 5 10 15

Lys Xaa Lys Gly Arg Pro Ile Ser Ser Gln Asp His Thr His Xaa Xaa
20 25 30
Gly Xaa Gly His Xaa Xaa Ser Met Ala Xaa Phe Val Lys Phe Gly Cys
35 40 45
Phe Xaa Asn Xaa Xaa Leu Xaa Lys Trp Met Trp Pro Lys Thr Phe Xaa
50 55 60
Leu Gly Trp Xaa Gly Lys
65 70

<210> 1306

<211> 45

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1306
Xaa Leu Thr Val Lys Asp Ala Gly Gly Gln Xaa Ile Pro Gly Val Pro
1 5 10 15
Glu Xaa Ser Cys His Val Gly Val Lys Ala Glu Gly Ala Xaa Xaa Thr
20 25 30
Gln Xaa Asp Arg Gly Ala Arg Xaa Xaa Ser Gln Ala Phe
35 40 45

<210> 1307
<211> 38
<212> PRT
<213> Homo sapiens

<220>
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<400> 1307
Gln Ser Thr Arg Ala Glu Tyr Glu Ser Lys Ala Glu Gly Val Met Xaa
1 5 10 15
Gly Gln Ala Phe Arg Lys Phe Gln Gln Gly Ala Ala Gly Asn Met Lys
20 25 30
Gly Met Met Gly Ile Gln
35

<210> 1308
<211> 59
<212> PRT
<213> Homo sapiens

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<400> 1308

Xaa	Val	Ser	Xaa	Phe	Arg	Lys	Pro	Leu	Xaa	Cys	Ala	Asn	His	Ser	Arg
1				5					10					15	

Lys	Xaa	Asn	Leu	Tyr	Leu	Gly	Tyr	Asn	Thr	Thr	Val	Ser	Tyr	Val	Thr
		20						25					30		

Xaa	Ala	Xaa	Xaa	Xaa	Pro	Leu	Cys	Xaa	Xaa	Xaa	Xaa	Ala	Lys	Xaa	Xaa
		35					40						45		

Xaa	Arg	Lys	Lys	Gly	Lys	Arg	Lys	Thr	Asn	Xaa
	50					55				

<210> 1309

<211> 30

<212> PRT

<213> Homo sapiens

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<400> 1309
Gly Thr Arg Ser Leu Glu His Ala Ala Gly Leu Xaa Gly Leu Ser Gln
1 5 10 15
Val Cys Xaa Pro Arg Arg Xaa Ser Ala Arg Pro Val Gln Pro
20 25 30

<210> 1310
<211> 67
<212> PRT
<213> Homo sapiens

<220>
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<400> 1310
Ser Tyr Asn His Gly Thr Lys Asn Phe Ile Glu Ile Phe Lys His Leu
1 5 10 15
Ile Lys Leu Lys Leu Leu Phe Gln Met Phe Lys Phe Tyr His Pro Phe
20 25 30
Phe Ser His Glu Phe Leu Lys Asp Tyr Ala Leu Met Leu Xaa Ser Ile
35 40 45
Leu Leu Phe Leu Lys Ile Pro Gly Ile Phe Trp Tyr His Val Gln Pro
50 55 60
Thr Ser Leu
65

<210> 1311
<211> 99
<212> PRT
<213> Homo sapiens

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1311
 Ser Pro Ser Leu Trp Val Val Pro Trp Arg Gly Trp Ser Ser Ser Ser
 1 5 10 15
 Ser Ser Pro Thr Ser Ser Ala Gly Arg Gly Val Thr Gln Ala Thr Arg
 20 25 30
 Leu Ser Ser Leu Val His Ala Gly Thr Ala Ala Ala Gly Ala Ser Val
 35 40 45
 Pro Phe Ser Gly Leu Arg Val Leu Ser Lys Gly Gly His Thr Phe Trp
 50 55 60
 Gln Thr Phe Leu Lys Xaa Gly Ser Ser Asn Val Lys Phe His Leu Gly
 65 70 75 80
 Xaa His Leu Thr Met His Asn Arg Leu Ile Xaa Glu Met Asp Gly Val
 85 90 95
 Xaa Phe Gly

<210> 1312
 <211> 34
 <212> PRT
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1312
Gly Ile Xaa Val Gln Glu Gly Arg Gly Leu Ala Val Ala Glu Xaa His
1 5 10 15
Lys Lys Val Thr Arg Pro Gly Ala Ala Asp Xaa Ala Arg Arg Pro His
20 25 30

Leu Tyr

<210> 1313
<211> 50
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1313
Thr Val Val Arg Gln Val Ser Phe Thr Leu Leu Met Met Cys Cys Cys
1 5 10 15
His Gly Asn Pro Ala Gln Tyr Glu Arg Xaa Arg Ser Ser Asp Ile Gly
20 25 30
Val Cys Ala Gly Leu Arg Ser Gln Trp Gly Glu Thr Thr His Leu Trp
35 40 45

Gly Xaa
50

<210> 1314
<211> 54
<212> PRT
<213> Homo sapiens

<400> 1314
Thr Val Val Arg Gln Val Ser Phe Thr Leu Leu Met Met Cys Cys Cys
1 5 10 15
His Gly Asn Pro Ala Gln Tyr Glu Arg Asn Arg Ser Ser Asp Ile Trp
20 25 30
Cys Met Cys Leu Ala Glu Glu Pro Met Gly Arg Thr Thr Ile Cys Gly
35 40 45
Ile Met Thr Glu Arg Leu
50

<210> 1315
<211> 84
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1315

Thr Ala Gly Arg Trp Pro Trp Lys Ser Glu Ser Ala Lys Glu Cys Val
1 5 10 15

Thr Thr His Leu Pro Asn Gln Leu Ala Leu Lys Met Asp Gly Ala Gly
20 25 30

Ala Ser Gly Pro Tyr Pro Ala Val Ala Gly Ser Arg Glu Trp Thr Gly
35 40 45

Ala Ala Gly Ala Ala Arg Ala Arg Ala Val Leu Val Phe Ala Xaa Phe
50 55 60

Pro Val Gly Lys Arg Pro Asn Pro Leu Pro Xaa Trp Phe Leu Xaa Pro
65 70 75 80

Gln Xaa Xaa Thr

<210> 1316

<211> 68

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1316

Lys Ser Thr Ser Thr Gln Gly Trp Ser Ala Gln Trp Xaa Thr Glu His
1 5 10 15

Gly Leu Leu Xaa Ser Leu Gln Tyr Phe Glu Phe Ile Phe Leu Pro Ile
20 25 30

Tyr Val Leu Tyr Ala Ala Gly Ala Pro Leu Lys Phe Tyr Ser Val Leu
35 40 45

Gln Lys Lys Lys Lys Lys Lys Lys Arg Gly Ala Pro Xaa Lys Gly
50 55 60

Pro Xaa Phe Xaa
65

<210> 1317

<211> 51

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1317
Ile Xaa Xaa Pro Xaa Gly Gly Pro Lys Pro Pro Pro Phe Xaa Lys Xaa
1 5 10 15
Phe Ser Pro Pro Pro Pro Arg Asn Pro Pro Xaa Phe Phe Ser Pro
20 25 30
Pro Pro Xaa Asp Pro Xaa Pro Xaa Lys Lys Phe Phe Phe Phe Leu Lys
35 40 45
Thr Pro Pro
50

<210> 1318
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1318

Asp	Phe	Asn	Leu	His	Gln	Pro	Leu	Lys	Cys	Arg	Pro	Leu	Cys	Asp	Trp
1				5				10						15	

Xaa	Tyr	Ala	Leu	Leu	Lys	Cys	His	Lys	Ala	Ala	Ser	His	Leu	Trp	Gly
			20					25					30		

Tyr	Cys	Tyr	Lys	Phe	Phe	Leu	Ser	Leu	Lys	Xaa	Pro	Phe	Leu	Leu	Ser
			35				40						45		

Ser	Val	Gly	Lys	Phe	Xaa	Gln	Ile	Ser	Ser	Ser	Xaa	Pro	Gly	Arg	Asn
	50					55						60			

His	Ser	Pro	Gln	Gly	Asn	Leu	Pro	Xaa	Leu	Phe	Leu	Gly	Cys
65					70					75			

<210> 1319

<211> 28

<212> PRT

<213> Homo sapiens

<220>

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<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1319

His Leu Asp Val Pro Ser Cys Leu Leu Lys Lys Lys Lys Thr Arg
1 5 10 15

Xaa Gly Ala Arg Tyr Pro Xaa Pro Pro Asn Ser Xaa
20 25

<210> 1320

<211> 27

<212> PRT

<213> Homo sapiens

<220>

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<222> (13)

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<221> SITE

<222> (14)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1320

Gly Lys His Gly Lys Gly Ser Gly Lys Trp Ala Cys Xaa Xaa Leu Gly
1 5 10 15

Arg Xaa Xaa Leu Xaa Pro Ala Leu Met Val Thr
20 25

<210> 1321

<211> 71

<212> PRT

<213> Homo sapiens

<400> 1321

Gln Ser Pro Ile His Phe Ser Cys Thr Arg Met Leu Trp Lys Ser Leu
1 5 10 15

Met Thr Arg Thr Val Phe Ser Leu His Cys Leu Ala Leu Gly Phe Glu
20 25 30

Lys Lys Ile Arg Glu Gly Arg Ser Gly Ile Ser Trp Pro Lys Phe Pro
35 40 45

Leu Gly Arg Thr Gly Arg Cys Cys Ser Ser Lys Arg Glu Gly Phe Phe
50 55 60

Gln Ser His Leu Pro Glu Ser
65 70

<210> 1322

<211> 80

<212> PRT

<213> Homo sapiens

<220>

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<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

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<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1322
Gly Gly Ser Thr Ser Ser Leu Lys Ile Leu Glu Gly Met Glu Glu Ser
1 5 10 15
Gln His Val Phe Leu Thr Gln Asp Pro Trp Phe Val Leu Lys Ala Xaa
20 25 30
Asn Pro Gln Val Pro Ala Phe Asp Asp Val Tyr Arg Lys Cys Trp Leu
35 40 45
Thr Glu His Ile Cys Pro Ile Pro Gly Val Xaa Arg Lys Pro Xaa Ile
50 55 60
Phe Xaa Ile Pro Asn Phe Phe Leu Xaa Xaa Lys Lys Lys Met Xaa Xaa
65 70 75 80

<210> 1323
<211> 57
<212> PRT
<213> Homo sapiens

<220>
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<222> (12)
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<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1323
Gln Gly Leu Asn Pro Tyr Thr Phe Trp His Asn Xaa Ile Xaa Leu Gly
1 5 10 15
Asn Glu Leu Cys Lys Gly Glu Pro Lys Leu Lys Thr Pro Xaa Asn Gln
20 25 30
Thr Glu Leu Thr Leu Arg Asn Ser Leu Lys Glu Ala His Pro Ser Tyr
35 40 45
Val Gly Lys Ile Val Gly Lys Val Phe
50 55

<210> 1324
<211> 31
<212> PRT
<213> Homo sapiens

<220>
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<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1324
Lys Arg Lys Leu Arg Glu Gly Arg Asn Leu Asn Xaa Leu Met Lys Ile
1 5 10 15
Met Leu Xaa Ile Ile Lys Thr Gly Tyr Glu Tyr Ser Asn Pro Phe
20 25 30

<210> 1325
<211> 40
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1325
Leu Glu Ile Thr Leu Gln Gly Glu Pro Lys Leu Arg Pro Pro Lys Pro
1 5 10 15
Asp Glu Leu Pro Lys Lys Gln Leu Lys Glu His Thr Arg Leu Cys Xaa
20 25 30
Lys Ile Val Gly Arg Phe Ile Gly
35 40

<210> 1326
<211> 65
<212> PRT
<213> Homo sapiens

<220>
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<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1326
Ala Tyr Lys Lys Glu Lys Glu Gln Ser Gln Glu Arg Thr Xaa Xaa Lys
1 5 10 15
Cys Phe Gly Thr Ser Leu Phe Leu Asp Phe Glu Leu Ser Asn Trp Phe

20 25 30
Ser Gln Val Lys Leu Lys Asn Ser Glu Thr Trp Phe Tyr Glu Ser Cys
35 40 45
Ser Tyr Thr Phe Leu Xaa Xaa Gly Pro Xaa Leu Leu Pro Arg Leu Leu
50 55 60
Thr
65

<210> 1327
<211> 48
<212> PRT
<213> Homo sapiens

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<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1327

Trp	Glu	Lys	Phe	Ile	Gly	Xaa	Lys	Arg	Gln	Thr	Tyr	Glu	Pro	Gly	Asp
1				5					10					15	

Thr	Gly	Cys	Ser	Gln	Asn	Xaa	Ile	Leu	Val	Ser	Leu	Leu	Ile	Leu	Ala
			20					25					30		

Xaa	Glu	Pro	Pro	Xaa	Xaa	Pro	Trp	Leu	Ile	Tyr	Xaa	Leu	Val	Pro	Xaa
		35					40					45			

<210> 1328

<211> 72

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1328
 Leu Asp Gln Lys Lys Ser Xaa Leu Phe Asp Leu Xaa Arg Xaa Asn Leu
 1 5 10 15
 Pro Xaa Leu Tyr Thr His Val Cys Val Ser Leu Lys Arg Xaa Val Arg
 20 25 30
 Leu Xaa Lys Ile Leu Ile Val Ile Asn His Val Xaa Thr Ser Cys Asn
 35 40 45
 Glu Leu His Asp Leu Ile Leu Ser Leu Leu Ala Xaa Thr Thr Xaa Tyr
 50 55 60
 Phe Ser Asn Xaa Xaa Ile Ser Pro
 65 70

<210> 1329
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
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<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1329

Thr	Ile	Xaa	Cys	Glu	Leu	Leu	Lys	Trp	Ile	Ile	Gly	His	Gly	Leu	Xaa
1					5				10					15	

Ala Ala Xaa

<210> 1330

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1330
Pro Leu Tyr Leu Leu His Asn Glu Leu Thr Arg Asn Asn Phe Ala Arg
1 5 10 15
Arg Ala Lys Ala Lys Thr Pro Glu Xaa Arg Xaa Ala Thr Leu Glu Gln
20 25 30
Leu Lys Glu His Thr Arg Leu Cys Xaa Lys Ile Val Gly Xaa Ile Tyr
35 40 45
Xaa Leu Lys Arg Gln Thr Tyr Arg Pro Gly Asp Thr Gly Xaa Pro Xaa
50 55 60
Xaa Ile Leu Xaa His Phe Asn Leu Pro Xaa Asn Leu Leu Ile Pro Cys
65 70 75 80

<210> 1331
<211> 61
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1331
Ile Ile Asn Asn Asn Lys Asn Lys Ala Asn Thr Leu Asp Ile Thr Leu
1 5 10 15
Pro Ser Gly Ala Xaa Lys Lys Val Lys Ala Gly Ile Ser Phe Ser Tyr
20 25 30
Leu Asn Leu Ser Val Leu Ser Gln Gly Ile Phe Ser Glu Asn Arg Trp
35 40 45
Asn Xaa Val Arg Leu Trp Xaa Met Leu Ser Ile Ile Gly
50 55 60

<210> 1332
<211> 97
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1332

Lys Val Xaa Gly Leu Xaa Ser Pro Gly Pro Glu Ile Pro Gly Ser Thr
1 5 10 15

Xaa Thr Val Arg Ile Asn Thr Val Xaa Pro Leu Ile Tyr Leu Leu Leu
20 25 30

Ser Pro Ile Xaa Asn Thr His Ala Ala Xaa Leu Ser Val Asp Gly Gly
35 40 45

Tyr His Leu Asp Pro Leu Leu Leu Glu Xaa Pro Xaa Xaa Leu Trp
50 55 60

Ala Leu Xaa Arg Lys Ser Arg Ile Ile Trp Lys Thr Leu Xaa Phe Ser
65 70 75 80

Ser Arg Leu Tyr Gln Lys Ile Pro Lys Thr Asp Xaa Ala Val Xaa Xaa
85 90 95

Gln

<210> 1333

<211> 94

<212> PRT

<213> Homo sapiens

<220>

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<222> (53)

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<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1333

Xaa Phe Leu Pro Pro Ser Ala Arg Pro Arg Ala Gly Arg Arg Xaa Pro
1 5 10 15

Leu Arg Gly Gln Cys Gln Val Gly Ser Leu Thr Gly Ala Val His Leu
20 25 30

Ser Asn Gly Asn Ala Xaa Val Leu Arg Xaa Ala Gln Gly Gly Gln Lys
35 40 45

Pro Pro Val Glu Xaa Lys Gly Lys Ser Ser Leu Asp Leu Asp Phe Gln
50 55 60

Tyr Glu Tyr Lys Thr Val Lys Ala Gly Pro His Asp Pro Ser Asp Leu
65 70 75 80

Leu Gly Phe Lys Gln Glu Val Xaa Glu Lys Leu Pro Gln Gly
85 90

<210> 1334

<211> 55

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (52)

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<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1334

Thr	Cys	Gly	Pro	Val	Lys	Tyr	His	Xaa	Ser	Asp	Arg	Phe	Phe	Thr
1				5				10					15	

Asp	Pro	Val	Arg	Arg	Gly	Gly	Glu	Pro	Arg	Gly	Ala	Leu	Ala	Ser	Gly
			20				25							30	

Ala	Lys	Arg	Pro	Ala	Ala	Arg	Arg	Pro	Gly	Ala	Thr	Arg	Ser	Gly	Asp
			35				40						45		

Xaa	Ala	Arg	Xaa	Gly	Xaa	Xaa
	50				55	

<210> 1335

<211> 143

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1335
Xaa Thr Ile Val Leu Xaa Xaa Thr Pro Ala Gly Thr Gly Pro Glu Phe
1 5 10 15
Pro Gly Arg Pro Thr Arg Pro Pro Ile Phe Pro Val Asp Asn Ala Ile
20 25 30
Asp Asn Gly Xaa Glu Xaa Gln Val Ala Leu Pro Ile Leu Met Ala Ala
35 40 45
Tyr Ala Met Ala Glu Ala Phe Met Ser Thr Gly Val Gly Ala Ser Leu
50 55 60
Ile Leu Ile Ala Leu Lys Val Gly Ile Thr Ala Lys Thr Val Ala Val
65 70 75 80
Ile Gly Ala Ile Val Thr Ser Ile Leu Ser Ile Ala Thr Gly Thr Ser
85 90 95
Trp Gly Thr Phe Ala Ala Cys Ala Pro Ile Phe Leu Trp Leu Asn His
100 105 110
Ile Val Gly Gly Asn Ile Leu Phe Asp Asn Lys Gln Leu Leu Xaa Xaa
115 120 125
Glu His Val Leu Glu Asp Asn Ile Gly Leu Phe Gln Ile Leu Gln
130 135 140

<210> 1336
<211> 65
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1336
Xaa Ala Leu Gly Leu Ala Leu Pro Gly Arg Leu Leu Xaa Ser His Ser
1 5 10 15
Arg Arg Thr Pro Ser Arg Glu Ser Arg Xaa Pro Pro Ala Pro Leu Tyr
20 25 30
Ser Ala Arg Ala Gln His Gly Ala Pro Ala Gly Xaa His Val Arg Ala
35 40 45
Ser Asp Cys Arg Gly Asp Xaa Asp Phe Xaa Arg Ser Ser Gly Arg Met
50 55 60

Glu
65

<210> 1337
<211> 42
<212> PRT

<213> Homo sapiens

<220>

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<222> (2)

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1337

Thr Xaa Ala His Ser Val Xaa Xaa Pro His Ser Xaa Gly His Cys Gly
1 5 10 15

Gln Arg Val Leu Ala Cys Xaa Leu Leu Ser Ile Leu Lys Ala Met Asp
20 25 30

Phe Xaa Gly Pro Phe Ser Ser Xaa Leu Pro
35 40

<210> 1338

<211> 35

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1338
Phe Asn Lys Leu Ser Ser Ala Leu Ser Glu Phe Ser Gly Pro Asn Ile
1 5 10 15
Tyr Val Glu Lys Asp Gly Gly Val Xaa His Leu Cys Thr Asp His Leu
20 25 30
Tyr Val Arg
35

<210> 1339
<211> 79
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1339

Asp Ile Glu Ala Lys Pro Ser His Tyr Gln Leu Val Ser Gly Ser Ser
1 5 10 15
Thr Glu Asp Ser Leu His Val His Ala Gln Met Ala Glu Asn Glu Xaa
20 25 30
Xaa Gly Ser Gly Gly Gly Gly Ser Glu Glu Asp Pro Pro Cys Xaa His
35 40 45
Gln Ser Cys Glu Gln Lys Asp Cys Leu Ala Xaa Lys Pro Trp Asp Ile
50 55 60
Ser Leu Ala Xaa Pro Glu Ser Ile Arg Ser Asp Leu Glu Ser Ser
65 70 75

<210> 1340

<211> 69

<212> PRT

<213> Homo sapiens

<220>

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<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1340

Gly Lys Gly Thr Phe Pro Lys Asn Xaa Phe Trp Gly Asn Lys Asn Val
1 5 10 15

Asp Cys Glu Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Gly Gly Pro Phe
50 55 60

Xaa Lys Xaa Lys Xaa
65

<210> 1341

<211> 70

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1341

Xaa Trp Ser Xaa Leu Ala Ala Gln Lys Glu Gln Ser Gly Leu Glu Gly
1 5 10 15

Ser Ile Lys Phe Tyr Thr His Lys Leu Gln Leu Glu Val Ser Phe Leu
20 25 30

Lys Cys Pro Ala Phe Ala Gln Leu Phe Gln Ile Ile Ser Phe Leu Arg
35 40 45

Leu Trp Gln Val Ser Cys Pro Pro Ser Tyr Ser Ser Val Phe Thr Xaa
50 55 60

Ser Arg Gln Xaa Ser Gly
65 70

<210> 1342

<211> 121

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1342

Glu Pro Asp Pro Asn Ser Glu Asn Ile Ala Ala Ile Ser Gln Ser Ser
1 5 10 15

Val Gly Ser Asp Leu Phe Val Phe Lys Pro Ser Glu Pro Arg Pro Leu
20 25 30

Tyr Ile Gln Lys Gly Ile Ser Arg Glu Lys Val Gln Trp Gly Val Phe
35 40 45

Val Pro Arg Asp Val Pro Glu Ser Phe Thr Ser Glu Ala Tyr Gln Trp
50 55 60

Leu Asn Arg Ser Gln Phe Tyr Phe Leu Thr Lys Ser Gln Ser Leu Leu
65 70 75 80

Thr Phe Ser Thr Lys Ser Pro Glu Glu Lys Leu Thr Pro Thr Xaa Gln
85 90 95

Thr Ala Ala Ser Arg Arg Lys Ser Ser His Asn Pro Ile Leu Phe His
100 105 110

Ile Gly Lys Thr Gln Ala Thr Ala Gly
115 120

<210> 1343

<211> 36

<212> PRT

<213> Homo sapiens

<400> 1343

Asn Thr Lys Gly Asp Arg Glu Glu Leu Lys Asp Leu Gln Tyr Cys Thr
1 5 10 15

Gln Lys Leu Ile Ile Leu Cys Thr Phe Tyr Leu Phe Trp Arg Phe Tyr
20 25 30

Met Ile Phe Asn
35

<210> 1344

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1344

Ala Val Ala Val Ser Gly Pro Gly Pro Val Gly Val Leu Leu Xaa Leu
1 5 10 15

Trp Leu Thr Pro Xaa Pro Gly Thr Leu Asn Asp Arg Ser Arg Xaa Xaa
20 25 30

<210> 1345

<211> 63

<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1345
His Leu Val Lys Ala Gly Arg Lys Ile Asn Asn Thr Lys Leu Cys Tyr
1 5 10 15
Leu Ile Xaa Leu Leu Glu Arg Val Arg Phe Thr Xaa Tyr Ile Phe Lys
20 25 30
Leu Ile His Val Lys Asn Asp Ser Asp Phe Asp Val Ile Xaa Leu Leu
35 40 45
Ile Glu Ser Xaa Ile Xaa Lys Ala Asn Asn Leu Lys Xaa Ala Ile
50 55 60

<210> 1346
<211> 64
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (11)
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1346
Ala Gly Ala Asp Arg Gly Gly Gly Gly Trp Xaa Arg Leu Gly Xaa Ile
1 5 10 15
Asn Leu Leu Ile Asp Cys Asp Ser Lys Lys Lys Lys Lys Lys Lys Lys
20 25 30
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
35 40 45
Lys Xaa Lys Xaa Lys Lys Lys Lys Xaa Lys Lys Lys Lys Lys Xaa Xaa
50 55 60

<210> 1347
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1347
Phe Leu Ile Met Ser Asn Asp Cys Lys Ser Ala Trp Ile Phe Thr Cys
1 5 10 15
Lys Gly Tyr Ser Cys Ile Val Arg Ser Pro Ser Pro Ala Glu Ser Ser
20 25 30
Xaa His Trp Leu Ala Val Cys Cys Val Xaa His Ser Phe
35 40 45

<210> 1348
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1348
Gly Phe Leu Val Leu Met Leu Val Lys Val Cys Ala Gly Ile Ser Lys
1 5 10 15
Ser Leu Lys Lys Val Phe Thr Gly His Trp Ala Val Val Arg Glu Gly
20 25 30
Leu Thr Asn Pro Trp Ile Pro Asp Asn Trp Ser Trp Gly Gly Val Ala
35 40 45
Ser Glu His Cys Xaa Cys Tyr Arg Val Leu His
50 55

<210> 1349
<211> 63
<212> PRT
<213> Homo sapiens

<400> 1349
Phe Cys Pro Cys Val Arg Gln Ser Glu Gln Arg Val Ile Gln Ser Ala
1 5 10 15
Ala Asn Lys Ala Ala Asp Ser Ser Val Gln Lys Ala Lys Lys Glu Leu
20 25 30
Tyr Val Arg His Leu Phe Leu Leu Ile Ser Ile Phe Leu Leu Thr His
35 40 45
Thr Leu Ser His Val Lys Arg Lys Ile Asn Lys Trp Ser Glu Leu
50 55 60

<210> 1350
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1350
Tyr Ile Tyr Tyr Arg Pro Asn Glu Leu Asn Ile Ala Leu Leu Tyr Ser
1 5 10 15
Pro Lys Gly Leu Asn Ser Cys Phe Phe Pro Ser Phe Ile Xaa Arg Lys
20 25 30
His Tyr Asp Arg Ile Ser
35

<210> 1351
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1351

Leu Leu Pro Glu Asp Gln Val Gln Leu Gln Pro Xaa Gly Arg Trp Leu
1 5 10 15

Pro Thr Ser Ser Pro Gly Leu Ser Ser Ser Pro Ser Ser Pro Val Ile
20 25 30

Leu Cys Cys Leu Asp Ser Thr Ile Pro Ser Leu Phe Leu Leu His Leu
35 40 45

Leu Pro Leu Glu Pro Pro Leu Pro Ser Trp Asp Phe Trp Glu Val Pro
50 55 60

Ala Xaa Gln Pro Arg His Lys Thr Ile Met Val Thr Trp
65 70 75

<210> 1352

<211> 28

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1352

Xaa Leu Leu Arg Asp Xaa Met Gly His Tyr Val Trp Leu Phe Tyr Ile
1 5 10 15

Lys Pro Thr Thr Xaa Phe Arg Val Gly Xaa Met Asn
20 25

<210> 1353

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1353

Pro	Arg	Leu	Gln	Thr	Leu	Asn	Leu	Val	Leu	Xaa	Ser	Ala	Asp	Asn	Gly
1				5					10					15	
Xaa	Xaa	Pro	Arg	Leu	Tyr	Asn	Arg	Arg	Ser	Ala	Lys	Asp	Xaa	Gly	Val
			20					25						30	
Leu	Gly	Gly	Xaa	Leu	Val	Phe	Pro	Lys	Val	Phe	Gln	Ile	Lys	Val	Val
	35						40					45			
Phe	Val	Leu	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Leu	Gly	Gly	Xaa	Phe	Leu
	50					55						60			
Gly	Gly	Ala	Arg	Gly	Xaa	His	Gly	Phe	Xaa	Gln	Xaa	Gly	Xaa	Gly	
65					70					75					

<210> 1354

<211> 40

<212> PRT

<213> Homo sapiens

<220>

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<222> (21)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1354
Gly Asp Pro Ala Gln Phe Pro Gly Arg Pro Arg Val Arg Thr Ile Gly
1 5 10 15
Arg Arg Ser Phe Xaa Xaa Trp Xaa Asn Ser His Phe Pro His Glu Glu
20 25 30
Xaa Lys Xaa Gly Gln Lys Pro Asn
35 40

<210> 1355
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1355
Asp Ile Asn Gly Asp Phe Lys Val Glu Ile Asn Met Tyr Ser Met Phe
1 5 10 15
Leu Lys Lys Lys Lys Lys Lys Xaa Pro Gly Gly Ala Pro Val Pro
20 25 30
Ile Xaa Pro Xaa Gly Gly Pro Phe
35 40

<210> 1356
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1356
Pro Gly Glu Ala Gly Gly Arg Ala Pro Arg Gly Ser Arg Phe Trp Arg
1 5 10 15
Gln Xaa Pro Gly Arg Ala Pro Ala Gly Arg Asp Pro Leu Arg Gly Gln
20 25 30
Cys Gln Val Gly Ser Leu Thr Gly Ala Val His Leu Ser Asn Gly Asn
35 40 45
Ala Gly Val Leu Arg Arg Ala Gln Gly Gly Gln Lys Pro Pro Val Glu
50 55 60
Gln Lys Gly Lys Ser Ser Leu Asp Leu Asp Phe Gln Tyr Glu Tyr Arg
65 70 75 80
Pro

<210> 1357
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1357
Thr Pro Leu Ser Gln Asn Pro Ala Gln Ala Glu Arg Tyr Gly Ser Ala

1 5 10 15
Ala Glu Pro Arg Leu Ala Ser Asp Ser Arg Ser Pro Ala Cys Pro Arg
 20 25 30
Arg Arg Ala Ala Pro Xaa Ser Thr Arg Xaa Ala Arg Ala Gly Gly Arg
 35 40 45
Val Pro Arg Arg Ala Pro Gly Pro Gly Ser Gly Ala Glu Cys Pro Ser
 50 55 60
Ser Trp Glu Thr Gly Arg Gly Arg Lys
65 70

<210> 1358

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1358
Gly Xaa Arg Pro Arg Xaa Trp Ile Arg Thr Ser Arg Trp Cys Ser Arg
1 5 10 15
Tyr Lys Xaa Phe Val Cys Ser Thr Ile Lys Val Leu Arg Asp Leu Asn
20 25 30
Ser Xaa Arg Ser Asn Pro Gly Arg Phe Leu Ser Thr Ser Asn Ser Ser
35 40 45
Leu Tyr Xaa Arg Thr Xaa Arg Tyr Lys Ala Tyr Phe Ser Xaa Arg Leu
50 55 60
Pro Pro
65

<210> 1359
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1359
Arg Pro Lys Trp Arg Arg Val Pro Cys Glu Gln Gln Leu Asn Met Gly
1 5 10 15
Gln Ser Val Leu Arg Asp Gly Arg Ala Pro Phe Arg Arg Asp Gly Arg
20 25 30
Trp Pro Pro Leu Pro Ser Ala Asp Arg Lys Gly Val Gly Phe Arg Ser

35

40

45

Pro Asn Pro Glu Trp Arg Arg Trp Arg Arg Glu Ala Ser Xaa Arg Xaa
 50 55 60

Arg Asp Arg Ser Arg Arg Ser Pro Xaa
 65 70

<210> 1360

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1360

Thr Arg Pro Val Asn Asn Lys Lys Gly Val Ile Arg Ile Gly Met Trp
 1 5 10 15

Ile Phe Thr Val Xaa Thr Thr His Leu Gln Phe Cys Asn Ala Arg Met
 20 25 30

Gln Phe Lys Asn Val Lys
 35

<210> 1361

<211> 54

<212> PRT

<213> Homo sapiens

<400> 1361

Arg Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala
 1 5 10 15

Ser Ala Asp Ala Trp Gly Leu Leu Arg Asn Ile Ala Glu Val Ile Thr
 20 25 30

Thr Ala Ile Lys Leu Phe Lys Lys Asp Leu Tyr Asn Val Tyr Lys Ser
 35 40 45

Gly Ile Lys Asp Phe Ser
 50

<210> 1362
<211> 139
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1362
Ser Phe Asp Val Gly Ser Ser Tyr His Cys Glu Ala Glu Phe Thr Lys
1 5 10 15

Arg Trp Ile Val His Pro His Glu Pro Cys Ala Phe Gly Val Asn Asn

20 25 30
 Val Gln Phe Val Asp Val Ile Glu Ser Arg Gly Leu Ser Pro Phe Tyr
 35 40 45
 Ile Cys Ile Asn Phe Asn Leu Leu Lys Xaa Lys Lys Glu Xaa Glu Lys
 50 55 60
 Gln Phe Ile Lys Xaa Xaa Lys Ser Asn Gln Pro Gln Gln Gln Lys Arg
 65 70 75 80
 Met Val Trp Tyr Trp Arg Arg Asp Gly Gln Leu Ser Leu Leu Ala His
 85 90 95
 Asp Gly Met Asp Leu Gly Pro Gly Thr Thr Phe Ile Leu Arg Xaa Xaa
 100 105 110
 Leu Trp Ile Pro Arg Glu Gly Gln Pro Phe Arg Xaa Gly Leu Tyr Pro
 115 120 125
 Glu Gly Gly Thr Glu Phe Gly Gln Thr Xaa His
 130 135

<210> 1363

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1363

Ala Phe Arg Lys Tyr Tyr Val Lys Asn Leu Xaa Ser Leu His Ala Arg
 1 5 10 15

His Ser Phe Asn His Phe Ser Asp His Phe Ser Lys Ile Leu Lys His
 20 25 30

Pro His Leu Gly Phe Ser Leu Asn Leu Gly Val Pro Ser Pro His Pro
 35 40 45

Ala Ala Phe Cys Val Arg Gly Xaa Arg Ser

50

55

<210> 1364
<211> 21
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1364
Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Xaa
1 5 10 15

Arg Xaa Xaa Glu Asn
20

<210> 1365
<211> 69
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1365
Tyr Thr Ala Ile Met Ser Ile Met Ser Tyr Asn Xaa Gly Ala Val Met
1 5 10 15
Ala Met Lys Gly Xaa Xaa Xaa Xaa Xaa Xaa His Arg Cys Arg Xaa Ala
20 25 30
Leu Xaa Glu Ser Arg Pro Arg Met Val Asn His Gly Thr Xaa Arg Lys
35 40 45
Ile Phe Xaa His Gly Xaa Asn Arg Leu Xaa Met Gly Leu Gly Arg Xaa
50 55 60
Xaa Gln Leu Arg Xaa
65

<210> 1366
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1366

Leu Ala Ile Leu Arg Leu Phe Lys Val Phe Ser Asn Ile Lys Lys Tyr
1 5 10 15

His Gln Arg Ser Pro Ala Met Leu Lys Thr Asn Asn Xaa Lys Gln Thr
20 25 30

Xaa Xaa Lys Asn Leu Lys Lys Lys Xaa Gly
35 40

<210> 1367

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1367

Ser Thr Leu Ser Asn Arg Leu Val Trp Val His Trp His Ser Leu Xaa
1 5 10 15

Tyr Cys Leu Ile Ala Asp Thr Xaa
20

<210> 1368

<211> 79

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)
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<220>
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<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1368
Xaa His Xaa Trp Lys Leu Ile Leu Xaa Leu Xaa Leu Gly Tyr Phe Xaa
1 5 10 15
Phe Gly Gly Glu Ser Ala Xaa Phe Phe Arg Arg Gly Pro Gly Phe Phe
20 25 30
Lys Gly Lys Lys His Ser Tyr Ser Lys Leu Gln Asn Asn Gly Val Asn

35 40 45
Met Leu Asn Arg Ser Ile Arg Lys Pro Asn Thr Gly Leu Ser Arg Arg
50 55 60
Xaa Leu Val Xaa Arg Ala Leu Gly Lys Asn Lys Gly Lys Xaa Lys
65 70 75

<210> 1369
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1369
Asn Gln Arg Gln Leu Ser Cys Cys Val Ser Ser Cys Trp Ile Leu Ser
1 5 10 15
Leu Gly Pro Thr Val Cys Gln Tyr Ser Cys Glu Leu Tyr Val Pro Pro
20 25 30
Val Leu His Thr Gln Val Cys Val Ser Val Tyr Ala Cys Phe Lys Gln
35 40 45
Thr Leu Asn Val His Met Tyr Ile Ile Tyr Thr Tyr Leu Tyr His Ile
50 55 60
Ser Ser Phe Ile Thr Ile Asp Tyr Thr Asn Trp Xaa
65 70 75

<210> 1370
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1370

Ala	Arg	Ala	Tyr	Leu	Leu	Val	Ala	Ser	Asn	Leu	Thr	Pro	Ser	Leu	Ser
1				5					10					15	

Glu	Tyr	Val	Gln	Pro	Lys	Arg	Thr	Asn	Trp	Leu	Leu	Cys	Thr	Ser	Leu
		20					25						30		

Xaa	Ile	Xaa	Leu	Leu	Ser	Met	Val	Leu	Arg	Ser	Xaa	Thr	Val	Tyr	Leu
	35						40					45			

Xaa Leu
50

<210> 1371

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1371
Glu Lys Thr Phe Val Glu Arg Val Lys Asn Leu Thr Pro His Ser Arg
1 5 10 15
Pro Lys Ser Xaa His Gln Leu Lys Lys Ala Phe Lys Leu Gln His Pro
20 25 30
Leu Pro Lys Lys Phe Gln Thr Tyr Asn Trp Asn Phe Leu Xaa Pro Asn
35 40 45
Trp Asp Gln Phe Xaa Thr Pro Ile Arg Lys Lys Leu Met Val Ser Xaa
50 55 60
Xaa Val Thr Xaa Glu Lys His Phe Ser Phe Arg Xaa
65 70 75

<210> 1372
<211> 58
<212> PRT
<213> Homo sapiens

<400> 1372
Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser
1 5 10 15
Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu
20 25 30
Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu
35 40 45
Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr
50 55

<210> 1373
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1373
Ser Leu Asp Leu Ile Cys Pro Tyr Glu Arg Pro Gly Lys Asn Arg Leu
1 5 10 15
Xaa Ala Pro Xaa Leu Val Glu Leu Cys Pro Ser Ser Asp Ala Cys Gln
20 25 30
Glu Arg Val Glu Pro Arg Thr Leu Thr Lys Gly Gly Pro Gly Tyr Pro
35 40 45
Ile Ala Ala Leu
50

<210> 1374
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1374

Ala Arg Ala Glu Asp Pro His Ile Asp Glu Ser Lys Ala Xaa His Gln
1 5 10 15

Ala Ile Ile Met Ser Thr Ser Leu Arg Val Ser Pro Ser Ile His Gly
20 25 30

Tyr His Phe Asp Thr Ala Ser Arg Lys Lys Ala Val Gly Asn Ile Phe
35 40 45

Glu Asn Thr Asp Gln Glu Ser Leu Glu Arg Leu Phe Arg Asn Ser Gly
50 55 60

Asp Lys Lys Ala Glu Glu Arg Ala Lys Ile Ile Phe Ala Ile Asp Gln
65 70 75 80

Asp Val Glu Glu Lys Thr Arg Ala Leu Met Ala Leu Xaa Glu Glu Asp
85 90 95

Lys Arg Gln Ala Phe Pro Phe Leu Lys Leu Arg Xaa Phe Ser Phe Lys
100 105 110

Xaa His

<210> 1375

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1375

Ala Arg Gln Asp Thr Gln Glu Glu Arg Ala Ala Pro Gly Ser Arg Pro
1 5 10 15

Gly Leu His Ala Glu Ala Gly Gly Arg Arg Cys Pro Ala Glu Ser Pro
20 25 30

Glu Leu Arg Arg Pro Ala Leu Val Pro Ala Pro Ser Gly Arg Arg Phe
35 40 45

Glu Ser Asp Trp Cys Leu Ala Ala Ser Ser Ser Val Arg Asp His Glu
50 55 60

Val Leu Pro Ser Val Val Leu Lys Leu Phe Leu Xaa Ser Phe Ser Ser
65 70 75 80

Ala Leu Val Thr Gly Glu Xaa Pro Gly Asn Gly Phe Arg Xaa Arg Leu
85 90 95

Thr Ala Gly Asn Lys Xaa Thr Gly Thr
100 105

<210> 1376

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1376

Arg Pro Thr Arg Pro Pro Thr Arg Pro Val Xaa Ser Ile Pro Xaa Leu
1 5 10 15

Trp Ala Ala Xaa Val Ser Pro Pro Lys
20 25

<210> 1377

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1377

Phe Thr Xaa Asn Ser Leu Tyr Phe Ser Cys Ile Lys Thr Leu Cys Cys
1 5 10 15

Ser His Ser Trp Ser Xaa Ser Pro Leu His Gly Asp Cys Gly Val Gly
20 25 30

Leu Asp Glu Val Gly Gln
35

<210> 1378

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1378
Phe Xaa Lys Arg Gly Pro Ser Ser Pro Val Ala Xaa Val Leu Glu Leu
1 5 10 15
Leu Asp Pro Pro Gly Cys Xaa Asn Ser Ala Arg Glu Gly Xaa Val Gly
20 25 30
Arg Ala Arg Arg Phe Pro Ala Xaa Val Ser Ala Arg Xaa Xaa
35 40 45

<210> 1379
<211> 34
<212> PRT
<213> Homo sapiens

<220>
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<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1379

Leu Leu Lys Xaa Thr Xaa Ser Cys Ser Tyr Pro Pro Leu Xaa Ala Glu
1 5 10 15

Pro Cys Leu Ile Gln Gln Pro Gly Gly Thr Thr Arg Xaa Pro Ser Leu
20 25 30

Thr Leu

<210> 1380

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1380

His Arg His Ala His Lys Glu Arg Leu Lys Lys Lys Lys Lys Xaa Ser

1 5 10 15

Arg Gly Xaa Pro Xaa Thr Lys Xaa Ala Pro
20 25

<210> 1381

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1381

Asp Ala Glu Gly Arg Pro Glu Gly Arg Leu Phe Gly Met Thr Gly Ala
1 5 10 15

Gly Leu Gly Arg Asp Ser Gly Arg Trp Arg Glu Val Ser Phe Phe Gly
20 25 30

Glu Thr Glu Arg Ala Arg Gly Gly Thr Val Gly Xaa Arg Xaa His Ser
35 40 45

Val Ala Ala Ala Gly Val Arg Asp Ser Pro Pro Ile Ser Cys Ser Leu
50 55 60

Gly Pro Trp Gly Arg Ser Gly His Arg Ser Asp Cys His Ala Asp Gly
65 70 75 80

Asp His Arg Arg Glu Leu Gly Gly Arg Lys Ala Pro Pro Pro Ala Gly
85 90 95

Arg Gly Pro Leu Thr Thr Ser Arg Leu Pro Val Pro Leu Leu Lys Ser
100 105 110

Asn Cys Cys Pro Phe Glu Ala Xaa
115 120

<210> 1382
<211> 50
<212> PRT
<213> Homo sapiens

<220>
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<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1382
Phe Lys Cys Ser Ile Leu Met Pro Xaa Asn Lys Ser Phe Gly Asn Thr
1 5 10 15
Asn Trp Ser Ile Ile Gly Asn Ala Gly Met Phe Arg Leu Ser Gln Gln
20 25 30
Cys Phe Ala Phe Leu Cys Leu Phe Ser Val Asn Thr Asn Glu Val Asn
35 40 45
Ile Ala
50

<210> 1383
<211> 92
<212> PRT
<213> Homo sapiens

<400> 1383
Gln Ser Ala Ala Leu Pro Pro Val Thr Leu Ala Leu Leu Cys Leu Asp
1 5 10 15
Gly Val Phe Leu Ser Ser Ala Glu Asn Asp Phe Val His Arg Ile Gln
20 25 30
Glu Val Glu Glu Asp Gly Pro Ser Ser Cys Ser Glu Asp Asp Tyr Ser
35 40 45
Glu Leu Leu Gln Glu Ile Thr Asp Asn Leu Thr Arg Lys Glu Ile Gln
50 55 60
Ile Glu Lys Ile His Leu Asp Thr Ser Ser Phe Met Glu Glu Leu Pro
65 70 75 80
Gly Glu Lys Asp Leu Ala His Val Val Glu Ile Leu
85 90

<210> 1384
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1384
Asn Pro Ser Ala His Pro Ser Ile His Pro Ser Val Arg Pro Ser Met
1 5 10 15
Ser Pro Val Asp Arg Pro Ala Pro Leu Ala Gly Trp Val His Pro Pro
20 25 30
Ser Thr Trp Leu Thr Cys His Gly Arg Leu Cys Pro Ala Ser Asn Pro
35 40 45
Ile Leu Asn Ser Pro Lys Ala Xaa Gly Ala Val Gln Thr Gly Val Pro
50 55 60
Ser Ile Phe Ser Pro Thr Gly Val Phe Pro His Ala Val Xaa Tyr Asn
65 70 75 80
Pro His Ser Phe Leu Gly Pro Met Asn Phe Arg Ala Val Pro Phe Xaa
85 90 95

Pro Gly His Leu Leu Cys Xaa Leu Xaa Lys
100 105

<210> 1385
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<222> (26)
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1385
Ile Gln Gly Leu Xaa Xaa Xaa Gly Ser Ser Leu Pro Ser Pro Ser Thr
1 5 10 15

Arg Xaa Ser Leu Thr Xaa Ala Thr Gly Xaa Leu Xaa Arg Gly Phe Arg
20 25 30

Ser Leu Xaa Gly Trp Val Pro Gly Asn Gly Xaa Arg Ser Xaa Leu Gly
35 40 45

Ala Pro Xaa Gly Cys Pro Met Gly Xaa Leu Xaa Xaa Phe Arg Gly Xaa
50 55 60

Trp Gly
65

<210> 1386
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1386
Lys Ile Ser Ser Xaa Trp Ala Glu Lys Leu Thr Gly Xaa Tyr Xaa Val
1 5 10 15
Thr Asn Arg Ile Gln Val Gly Trp Pro Leu Cys Thr Glu Leu Gln Val
20 25 30
Thr Ser Gly Glu Thr Trp Ala Xaa Thr Trp Lys Ala Lys Thr Glu Ala
35 40 45

<210> 1387
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1387
Ala Ile Tyr Arg Ile Val Trp Ala Phe Ser Cys Lys Trp Ser Glu Gly
1 5 10 15
Val Thr Phe Ser Pro Leu Xaa Xaa Xaa Val Xaa Pro Ile Leu Asn Lys
20 25 30
Gly Arg Xaa Glu Thr
35

<210> 1388
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1388

Gly Xaa Ala Arg Lys Xaa Asp Ala Arg Ile Xaa Lys Ala Trp Val Arg
1 5 10 15

Arg Ala Gly Thr Gly Ser Gly Asn Ser Arg Gly Arg Pro Thr Arg Ser
20 25 30

Gly Ile Met Glu Tyr Asn Met Ser Ser
35 40

<210> 1389

<211> 41

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1389

Xaa	Cys	Leu	Xaa	Phe	Xaa	Cys	Arg	Ser	Leu	Leu	Val	Xaa	Ser	Gly	Xaa
1				5					10					15	

Thr	Arg	Arg	His	Val	Ser	Pro	Pro	Xaa	Ser	Ser	Pro	Ile	Phe	Arg	Val
			20					25					30		

Xaa	Pro	Leu	Leu	Asn	Xaa	Gln	Arg	Pro
		35					40	

<210> 1390

<211> 39

<212> PRT

<213> Homo sapiens

<220>

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<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1390

Gly	Leu	Cys	Thr	Phe	Gly	Ser	Phe	Tyr	Xaa	Lys	Leu	Lys	Cys	Tyr	Tyr
1				5					10					15	

Leu	Gly	Leu	Tyr	Leu	Ala	Ser	Ala	Phe	Ser	Phe	Asn	Cys	Lys	Val	Glu
			20					25					30		

Ala	Ile	Lys	Gln	Tyr	Phe	Ser
			35			

<210> 1391

<211> 71

<212> PRT

<213> Homo sapiens

<220>

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<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1391
Lys Ala Arg Val Tyr Pro Met Lys Xaa Ala Gly Ser Gln Leu Pro Pro
1 5 10 15
Gln Pro Phe Lys Arg Lys His Leu Leu His Arg Ala Val Leu Gly Val
20 25 30
Lys Arg Leu Leu Thr Tyr Asp Arg Val Arg Lys Ser His Ile Leu Val
35 40 45
Asn Xaa Pro Phe Gly Leu Lys Lys Lys Lys Asn Ser Arg Gly Gly
50 55 60
Pro Gly Tyr Pro Ile Xaa Pro
65 70

<210> 1392
<211> 58
<212> PRT
<213> Homo sapiens

<220>
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<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1392
Arg Arg Ile Thr Phe Trp Gly Ser His Ala Glu Gly Gly Ser Val Thr
1 5 10 15
Leu Pro Glu Lys Arg Val Ser Tyr Pro Xaa Ser Pro Gly Ser Thr Leu
20 25 30

Lys Lys Asp Leu Ala Thr Glu Gly Ala Leu Gly Leu Pro Xaa Ser Leu
35 40 45

Asp Ser Ser Tyr Lys Cys Pro Cys Ser Gln
50 55

<210> 1393

<211> 42

<212> PRT

<213> Homo sapiens

<220>

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<222> (4)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1393

Gly Arg Ala Xaa Ala Ala Gly Pro Xaa Pro Ala Ala Gly Ala Val Ala
1 5 10 15

Ser Tyr Asp Tyr Leu Val Ile Gly Gly Gly Ser Gly Gly Leu Ala Xaa
20 25 30

Val Val Glu Ser His Lys Leu Gly Gly Xaa
35 40

<210> 1394

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1394
Gly Thr Arg Leu Ser Thr Ala Gln Leu Ser Pro Ala Gln Ser Asn Pro
1 5 10 15
Ala Gln Pro Ser Pro Thr Gln Pro Ser Ser Ala Gln Xaa Ser Pro Ala
20 25 30
Gln Leu Ser Ser Ala Xaa
35

<210> 1395
<211> 66
<212> PRT
<213> Homo sapiens

<400> 1395
Lys Leu Lys Lys His Phe Leu Lys Gly Ala Leu Ile Lys Ser Glu Val
1 5 10 15
Phe Trp Leu Ser Phe Phe Ser Val Tyr Ile Phe Phe Leu Ser Leu Trp
20 25 30
His Arg Val Asp Leu Lys Tyr Ser Ser Ser Ile Leu His Ser Ser Pro
35 40 45
Ser Ile Gly Ser Ser Ser Phe Asn Glu Phe Gln Leu Tyr Leu Thr Ser
50 55 60
Ala Ser
65

<210> 1396
<211> 46
<212> PRT
<213> Homo sapiens

<400> 1396
Leu Leu Leu Lys Arg Phe Pro Phe Leu Phe Lys Leu Leu Met Asp Gln

1 5 10 15
Arg Thr Ile Val Tyr Phe Phe Ser Leu Val Leu Asp Ile Asn Asp Asn
 20 25 30
Leu Val Gly Asn Phe Phe Ser Lys Glu Asn Ile Phe Met Asn
 35 40 45

<210> 1397
<211> 45
<212> PRT
<213> Homo sapiens

<220>
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<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1397
Met Glu Phe Arg Leu Leu Thr Phe Asn Val Ile Ile Asn Ile Val Gly
1 5 10 15
Phe Lys Cys Thr Val Leu Leu Phe Val Ser Tyr Leu Cys Gln Leu Phe
 20 25 30
Phe Asn Val Phe Cys Ser Xaa Xaa Phe Leu Phe Phe Pro
 35 40 45

<210> 1398
<211> 63
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1398
Asn Phe Tyr Ser Xaa Lys Asn Leu Gly Phe Pro Leu Asn Ile Pro Pro
1 5 10 15
Phe Phe Pro Ser Phe Pro Gln Ile Pro Xaa Phe Tyr Phe Phe Gly Glu
20 25 30
Ile Arg Phe Ala Pro Phe Phe Xaa Pro Thr Leu Leu Xaa Glu Met Pro
35 40 45
Xaa Pro Trp Asn Glu Xaa Lys Gly Xaa Xaa Leu Arg Leu Xaa Gly
50 55 60

<210> 1399
<211> 45
<212> PRT
<213> Homo sapiens

<220>
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<222> (3)
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1399
Ile Leu Xaa His Phe Lys Phe Xaa His Arg Thr Ser Xaa Ser Leu Val
1 5 10 15
Asn Leu Met Leu Ser Lys Lys Glu Gln Leu Leu Gly Pro Lys Lys Lys
20 25 30
Leu Val Xaa Lys Leu Lys Phe Thr Pro Cys Ser Xaa Xaa
35 40 45

<210> 1400
<211> 69
<212> PRT
<213> Homo sapiens

<220>
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<222> (50)
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<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1400
Asp Phe Ala Lys Ser Tyr Leu Arg Asn Thr Ile Glu Gly Thr Pro Ala
1 5 10 15
Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Val Leu Gly
20 25 30
Xaa Thr Xaa Gln Thr Gln Asp Arg Val Asp Ser Ala Cys Asp Gly Val
35 40 45
Xaa Xaa Leu Leu Ala Pro Leu His Gln Cys Leu Xaa His Ile Tyr Ile
50 55 60
Trp Cys Ala Gln Glu
65

<210> 1401
<211> 29
<212> PRT
<213> Homo sapiens

<220>
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<222> (10)
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<220>
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<220>
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<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1401
Arg Leu Lys Asn Ala Arg Gly Tyr Trp Xaa Ile Ser Ser Tyr Glu Glu
1 5 10 15

Arg Ser Xaa Ser Met Lys Xaa Xaa Gly Arg Lys Met Ser
20 25

<210> 1402
<211> 74
<212> PRT
<213> Homo sapiens

<220>
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<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1402

Ser Cys Ser Xaa Arg His Glu Pro Gln Val Gln Thr Phe Gly Val Cys
1 5 10 15

Ala Trp Leu Arg Ser Gln Trp Gly Glu Ala Thr Ile Cys Gly Ile Met
20 25 30

Thr Glu Arg Leu Xaa Val Arg Ile Pro Pro Arg Arg Asn Asp Xaa Ala
35 40 45

Xaa Pro Xaa Ile Leu Gly Trp Pro Leu Ile Ser Gly Pro Pro Pro Val
50 55 60

Pro Ala Gly Gly Ala Gly Pro Gly Ser Arg
65 70

<210> 1403

<211> 64

<212> PRT

<213> Homo sapiens

<220>

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<222> (19)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1403

Thr	Ser	Thr	Val	Lys	Ser	Thr	Lys	Leu	Leu	Ala	Thr	Thr	Leu	Arg	Ala
1				5					10					15	

Thr	Ala	Xaa	Asn	Ser	Lys	Glu	Leu	Ala	Val	Leu	His	Ile	Pro	Leu	Lys
			20					25					30		

Arg	Xaa	Cys	Ser	Val	Ile	Asp	Lys	Pro	Arg	Ser	Xaa	Ser	Pro	Leu	Leu
		35					40					45			

Leu	Thr	Tyr	Xaa	Gln	Lys	Lys	Lys	Lys	Asn	Ser	Xaa	Gly	Ala	Gly	Ser
	50						55					60			

<210> 1404

<211> 42

<212> PRT

<213> Homo sapiens

<220>

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<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1404
Gly Xaa Asn Thr His Xaa Lys Ser Pro His Leu Thr Ile Pro Pro Xaa
1 5 10 15
Xaa Xaa Lys Asn Ala Xaa Ile Arg Met Thr Xaa Val Phe Leu Leu Ser
20 25 30
Lys Xaa Asp Pro Ser Cys Ala Pro Leu Ala
35 40

<210> 1405
<211> 84
<212> PRT
<213> Homo sapiens

<400> 1405
Lys Leu Leu Leu Gln Gly Leu Ala Thr Cys Arg Gln Glu Glu Ala Glu
1 5 10 15
Leu Asp Ile Arg Pro Gln Gly Cys His Leu Ser Cys Arg Ala Trp Pro
20 25 30
Cys Gly Gln Gly Ala Val Leu Cys Leu Val Gly Pro Gln Pro Leu Arg
35 40 45
Ala Glu Met Leu Ser Val Pro Gln Gly Lys Gly Arg Val Phe Trp Lys
50 55 60
Ala Leu Pro Trp Thr Phe Val Leu Gly Leu Arg Gly Pro Thr Leu Pro
65 70 75 80
His Thr Cys Pro

<210> 1406
<211> 60
<212> PRT
<213> Homo sapiens

<400> 1406
Leu Leu Gly Asp Lys Lys Ala Trp Glu Gly Pro Val Pro Lys Pro Ser
1 5 10 15
Leu Pro Gly Asp Trp Ala Val Ile Pro Leu Leu Pro Gly Leu Leu Pro
20 25 30
Trp Pro Pro Arg Gly Ala Asp Thr Leu Ala Pro Gly Ala Gly Glu Asn
35 40 45
Pro Pro Gly Gly Arg Arg Lys Ala Arg Ala Gly Asp
50 55 60

<210> 1407
<211> 97
<212> PRT
<213> Homo sapiens

<400> 1407
Gln Asn Pro Leu Ser Ser Pro Phe Gly Pro Gly Leu Arg Gly Pro Gly
1 5 10 15
Gly Ala Gly Gly Glu Leu Ser Gly Ala Thr Thr Pro Cys Pro Gln Trp
20 25 30
Thr Asn His Ser Ser Ser Gln Gly Trp Ala Leu Glu Val Pro Gly Arg
35 40 45
Arg Val Pro Leu Pro Ser Ala Ile His Val Arg Ser Leu Val Gly Gly
50 55 60
Pro Gln Ser His Ser Gly Lys Gly Ser Arg Val Gln Pro Ser Ser Cys
65 70 75 80
Ser Phe Pro Ser Leu Ile Ser Ile Asn Leu Ser Thr Pro Leu Leu Trp
85 90 95
Gly

<210> 1408
<211> 36
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1408
Asn Pro Gly Xaa Pro Xaa Val Xaa Phe Pro Pro Xaa Xaa Lys Glu Thr
1 5 10 15
Thr Thr Trp Gly Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
20 25 30
Asn Lys Glu Xaa
35

<210> 1409
<211> 70
<212> PRT
<213> Homo sapiens

<220>
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<400> 1409
 Cys Gln Glu Cys Arg Leu Val Tyr Val Pro Gly Gly Gly Thr Gln Arg
 1 5 10 15
 Gly Ala Pro Gly Phe Pro Cys Pro Pro Ala Ala Leu Pro Leu Phe Pro
 20 25 30
 Phe Phe Pro Asp Xaa Arg Pro Glu Pro Val Pro Xaa Leu Xaa Ile Asn
 35 40 45
 Leu Cys Glu Ile Lys Lys Lys Lys Lys Lys Asn Ser Gly Gly Gly Pro
 50 55 60
 Val Pro Xaa Trp Ala Leu
 65 70

<210> 1410
 <211> 149
 <212> PRT
 <213> Homo sapiens

<220>
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<220>
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<222> (138)

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<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1410

Gly Arg Ala Pro Glu Glu Gln Asp Ala Leu Tyr Leu Gln Arg Arg Glu
1 5 10 15

Ala Ala Ser Xaa Pro Xaa Leu Xaa Leu Pro Glu Ser Arg Lys Asp Pro
20 25 30

Pro Trp Asp Ser Ser Val Cys Xaa Lys Asp Ala Pro Xaa Leu Xaa Pro
35 40 45

Gly Phe Pro Ser Xaa Arg His Arg Thr Gln Phe Ser Arg Pro Gly Gly
50 55 60

Arg Ala Pro Ile Thr Pro Gln Ala Lys Xaa Lys Pro Pro Cys Pro Gly
65 70 75 80

Pro Lys Pro Leu Xaa Pro Pro Phe Pro Trp Phe Pro Arg Glu Pro Val
85 90 95

Thr Thr Leu Xaa Arg Ala Leu Thr Pro Met Ala Ser Phe Leu Trp Phe
100 105 110

Ser Pro Arg Gly Gln Leu Val Pro Asn Xaa Xaa Xaa Arg Leu Gly Phe
115 120 125

Pro Xaa Lys Lys Asn Phe Gly Phe Ile Xaa Lys Lys Lys Arg Xaa Gly
130 135 140

Gly Gly Gly Pro Gly

145

<210> 1411
<211> 65
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<220>
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<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1411

Pro Xaa Leu Gly Ile Xaa Asn Leu Leu Xaa Ser Ser His Cys Pro Lys
1 5 10 15

Pro Ser Xaa Cys Leu Leu Asp Ala Tyr Ser Xaa Cys Gly Tyr Gly Gly
20 25 30

Ser Leu Ser Pro Xaa Ser Asp Met Ser Ser Leu Leu Gly Val Asn Xaa
35 40 45

Ser Xaa Glu Asp Thr Phe Xaa Asn Lys Leu Phe Pro Gln Leu Ile Ser
50 55 60

Val
65

<210> 1412

<211> 116

<212> PRT

<213> Homo sapiens

<220>

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<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1412

Glu Phe Gln Ser Met Gly Ser Arg Leu Ser Gln Pro Phe Glu Ser Tyr
1 5 10 15

Ile Thr Ala Pro Pro Gly Thr Ala Ala Ala Pro Ala Lys Pro Ala Pro
20 25 30

Pro Ala Thr Pro Gly Ala Pro Thr Ser Pro Ala Glu His Arg Leu Leu
35 40 45

Lys Thr Cys Trp Ser Cys Arg Val Leu Ser Gly Leu Gly Leu Met Gly
50 55 60

Ala Gly Gly Tyr Val Tyr Trp Val Ala Arg Lys Pro Met Xaa Xaa Gly
65 70 75 80

Tyr Pro Pro Ser Pro Trp Thr Ile Thr Gln Met Val Ile Gly Leu Ser
 85 90 95

Glu Asn Gln Gly Ile Ala Thr Trp Gly Ile Val Val Met Ala Asp Pro
 100 105 110

Lys Gly Lys Ala
 115

<210> 1413
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
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<220>
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 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1413
 Asn Leu Ser Ser Thr Leu Asn Leu Pro Gln Asn Pro Leu Asn Pro Leu
 1 5 10 15

Xaa Asn Leu Thr Val Val Gln Arg Gly Thr Ala Leu Trp Thr Leu Gly
 20 25 30

Lys Asn Leu Val Glu Arg Gly Lys Xaa Tyr Thr His Ser Xaa Pro Lys
 35 40 45

Ser Ser Thr Asn
 50

<210> 1414
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
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<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1414
Pro Thr Glu Gln Val Thr Leu Gly Ile Thr Ala Gln Ser Tyr Ser Arg
1 5 10 15
Val His Ile Asn Asn Arg Val Tyr Asp Leu Asp Val Gly Ser Gly His
20 25 30
Pro Asp Gly Ala Ala Ala Ile Lys Gly Ser Phe Gly Gln Arg Leu Lys
35 40 45
Xaa Tyr Val Ile
50

<210> 1415
<211> 55
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1415
Ser Lys Ser Ala Xaa Phe Gln Arg Leu Trp Tyr Gly Leu Ser Ala Ala
1 5 10 15
Ser Asn Lys Met Lys Ser Gln Asn Arg Ala Xaa Xaa Xaa Lys Ser Ile
20 25 30
Phe Ser Ala Val Leu Asp Cys Thr Xaa Ala Leu Pro Xaa Ile Asp Thr
35 40 45
Gln Thr Pro Leu Gln Thr Gln
50 55

<210> 1416
<211> 65
<212> PRT
<213> Homo sapiens

<220>
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<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1416
Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser
1 5 10 15
Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu
20 25 30
Ser Xaa Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu
35 40 45
Arg Lys Arg Gln Ala Gln His Pro Leu Pro Lys Lys Ser Gln Thr Tyr
50 55 60
Asn
65

<210> 1417
<211> 22
<212> PRT

<213> Homo sapiens

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<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1417

Asp	Thr	Ser	Xaa	Gly	Thr	Gly	Pro	Met	Glu	Met	Tyr	Arg	Xaa	Phe	Pro
1				5				10					15		

Ile	Leu	Val	Xaa	Ser	Leu
				20	

<210> 1418

<211> 54

<212> PRT

<213> Homo sapiens

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<222> (19)

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<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1418
Gly Ile Arg Ile Phe Cys Lys Trp Arg His Ile Gln Lys Lys Ser Leu
1 5 10 15
Asn Gly Xaa Ile Gly Met Glu Trp Gly Lys Xaa Phe Trp Lys Xaa Ile
20 25 30
Pro Ile Leu Pro Gly Arg Leu Phe Glu Val Xaa Ile Xaa Val Pro Asn
35 40 45
Lys Val Asn Xaa Phe Leu
50

<210> 1419
<211> 39
<212> PRT
<213> Homo sapiens

<400> 1419
Gln Leu Leu Leu Ser Val Arg Leu His Phe Ala Pro Tyr Asn Tyr Cys
1 5 10 15
Phe Gln Ile Ser Thr Cys Met Cys Leu Ser Leu Lys Ala Leu Val Lys
20 25 30
Ser His Ile Leu Tyr Ser Ala
35

<210> 1420
<211> 45
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1420
Gly Gly Gly Ala Xaa Pro Glu Gly Leu Ser Leu Leu Ala Pro Ser Ala
1 5 10 15
Arg Ser Arg Ala Gly Arg Ala Leu Pro Ala Pro Gly Thr Val Pro Gly
20 25 30
Gly Glu Tyr Asp Xaa Xaa Xaa Thr Pro Val Lys Xaa Glu
35 40 45

<210> 1421
<211> 136
<212> PRT
<213> Homo sapiens

<400> 1421
Ala Ala Ala Ala Ala Gly Asp Pro Gly Ala Met Gly Arg Ala Arg Asp
1 5 10 15
Ala Ile Leu Asp Ala Leu Glu Asn Leu Thr Ala Glu Glu Leu Lys Lys
20 25 30
Phe Lys Leu Lys Leu Leu Ser Val Pro Leu Arg Glu Gly Tyr Gly Arg
35 40 45
Ile Pro Arg Gly Ala Leu Leu Ser Met Asp Ala Leu Asp Leu Thr Asp
50 55 60

Lys Leu Val Ser Phe Tyr Leu Glu Thr Tyr Gly Ala Glu Leu Thr Ala
65 70 75 80

Asn Val Leu Arg Asp Met Gly Leu Gln Glu Met Ala Gly Gln Leu Gln
85 90 95

Ala Ala Thr His Gln Gly Ser Gly Ala Ala Pro Leu Gly Ser Arg Pro
100 105 110

Leu Leu Ser Arg Gln Pro Ser Gln Ala Cys Thr Leu Ile Asp Gln His
115 120 125

Arg Ala Ser Leu Ser Arg Arg Ser
130 135

<210> 1422

<211> 115

<212> PRT

<213> Homo sapiens

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<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1422

Gly Met Thr Pro Phe Cys Gly Leu Lys Cys Asp Ala Leu Gln Lys His
1 5 10 15

His Ser Asp Gly Gln Leu Asp Ser Gly Val Leu Arg Leu Cys Pro Leu
20 25 30

Pro Thr Ala Ser Leu Pro His Pro Ser Leu Gln Ser His Phe Ser Asp
35 40 45

Arg Ala Ile Pro Lys Asn Thr Glu Gly Leu Glu Cys Trp Leu Ala Thr
50 55 60

Leu Cys Leu Ser Gly Leu Pro Lys Ala Trp Lys Lys Glu Gly Pro Asp
65 70 75 80

Cys Gln Gly Asn Leu Leu Ile Gly Leu Arg Arg His Trp Ser Leu Xaa
85 90 95

Cys Gly Ala Pro Gln Ser Cys Arg Ser Asn Ala Leu Leu Ala Xaa Leu
100 105 110

Ala Trp Leu
115

<210> 1423

<211> 52

<212> PRT

<213> Homo sapiens

<220>

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<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1423

Arg Ala His Pro Ser Ile Phe Ala Xaa Ile Val Gly Lys Ile Tyr Arg
1 5 10 15

Phe Glu Gly Glu Gln Thr Tyr Arg Ala Trp Leu Ile Ser Leu Phe Val
20 25 30

Pro Arg Leu Glu Ser Leu Phe Pro Thr Phe Xaa Phe Leu Pro His Gln
35 40 45

Xaa Pro Ser Phe
50

<210> 1424

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1424

Leu Cys Lys Gly Glu Pro Lys Leu Arg Pro Pro Lys Pro Asp Glu Leu
1 5 10 15

Pro Lys Lys Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val
20 25 30

Gly Arg Phe Ile Gly Xaa Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser
35 40 45

Trp Phe Pro Xaa Glu
50

<210> 1425

<211> 23

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1425

Leu Phe Phe Phe Leu Asn Xaa Xaa Leu His Xaa Phe Ser Xaa Phe Gln
1 5 10 15

Asp Gly Arg Cys Tyr Gly Phe
20

<210> 1426

<211> 75

<212> PRT

<213> Homo sapiens

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1426

Lys Gly Leu Glu Lys Gln Xaa Arg Leu Lys Ala Xaa Ser Ser Lys Pro
1 5 10 15

Asn Gln Xaa Ser Xaa Xaa Gly Gln Xaa Val Ala Leu Xaa Val Pro Xaa
20 25 30

Gln Lys Xaa Xaa Xaa Trp Glu Lys Gly Glu Xaa Xaa Gly Asn Xaa Xaa
35 40 45

Leu Lys Leu Xaa Leu Leu Gly Xaa Ile Pro Pro Trp Lys Leu Xaa Ser
50 55 60

Phe Leu Gly Lys Arg Xaa Lys Xaa Gln Pro Xaa
65 70 75

<210> 1427

<211> 174

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1427
Pro Pro Cys Cys Cys Pro Thr Thr Pro Thr Cys Ser Arg Cys Gly Arg
1 5 10 15
Cys Arg Gly Gly Trp Ala Ala Gln Leu Thr Gly Arg Arg His Ser Pro
20 25 30
Arg His Ala Gly Ser Pro Arg Pro Ala Arg Trp Pro Cys Lys Thr Ala
35 40 45
Ser Gly Pro Ser Pro Ser Cys His Ala Ala Xaa Gly Asp Met Gly Arg
50 55 60
Val Ala Leu Lys Ser Arg Gly Ala Val Gly Thr Asp Cys Gly Gln Glu
65 70 75 80
Ala Trp Lys Val Trp Cys Gly Cys Xaa Cys Glu Ser Glu Cys Glu Cys
85 90 95
Ala Gly Arg Pro Gln Gly Gln Glu Ala Ala Ala Pro Arg Leu Lys Ala
100 105 110
Met Ala Ala Met Asp Leu Xaa Gln Gly Pro Arg Leu His Gly Xaa Arg
115 120 125
Thr Trp Asn His Asp Ser Gly His Trp Ile Trp Gly Gln Gly His Val
130 135 140
Asp Lys Thr Phe Xaa Thr Val Phe Phe Thr Lys Ala Glu Glu Pro Arg
145 150 155 160

Met Xaa Pro His Ala Pro Pro Asn Asn Cys Pro Xaa Leu Arg
165 170

<210> 1428
<211> 64
<212> PRT
<213> Homo sapiens

<400> 1428
Ser Ile Gly Ser Gly Thr Ser Cys Arg Thr Gln Leu Lys Thr His Val
1 5 10 15
Phe Phe His Arg Ile Met Cys Gln Phe Phe Val Ala Met Ile Phe Leu
20 25 30
Leu Glu Ser Gln Lys Cys Phe Val Pro Glu His Leu Gln Thr Ala Leu
35 40 45
Arg Lys Asn Ser Gln Asn His Pro Leu Phe Pro Phe Leu Tyr Tyr Leu
50 55 60

<210> 1429
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1429

Asp Xaa Gly Phe Arg Met Ala Ala Pro Val Arg Ile Thr Val Leu Cys
1 5 10 15

Ser Lys Glu Asn Asp Ser Thr Cys Ser Phe Ser Leu Val Glu Val Thr
20 25 30

Leu Val Ser Cys Trp Gly Gly Gly Xaa His Phe Phe Xaa Val Ser Val
35 40 45

Glu Ser Lys Met Asn Asn Lys Ala Gly Ser Phe Phe Trp Asn Leu Arg
50 55 60

Gln Phe Ser Thr Leu Val Ser Thr Ser Arg Thr Met Arg Leu Cys Cys
65 70 75 80

Leu Gly Leu Cys Lys Pro Lys Ile Val Pro Phe Lys Leu Glu His Phe
85 90 95

Glu Ile Thr Phe Ile Thr Glu Cys Asn Gln Arg Met Ile Ile Glu Xaa
100 105 110

Ala Leu Ala Gly Cys Xaa His Phe
115 120

<210> 1430

<211> 54

<212> PRT

<213> Homo sapiens

<400> 1430

Thr Cys Val Thr Lys Lys Lys Met Asn Val Leu Lys Arg Val Leu Gly
1 5 10 15

Gly Trp Phe Asn Lys Glu Thr Lys Met Leu Trp Cys Leu Asp Leu Trp
20 25 30

Leu Leu Lys Met Ser Ser Gln Val Lys Ser Leu Val Cys Leu His Leu
35 40 45

Ile His Phe Cys Thr Asn
50

<210> 1431
<211> 132
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1431
Thr Val Thr Val Xaa Xaa Ser Arg Val Arg Pro Ser Ala Ser Gly Arg
1 5 10 15
Val Phe Met Trp Thr Val Ser Gly Thr Pro Cys Arg Glu Phe Trp Ser
20 25 30
Arg Phe Arg Lys Glu Lys Glu Pro Val Val Val Glu Thr Val Glu Glu

35 40 45
Lys Lys Glu Pro Ile Leu Val Cys Pro Pro Leu Arg Ser Arg Ala Tyr
50 55 60
Thr Pro Pro Glu Asp Leu Gln Ser Arg Leu Glu Ser Tyr Val Lys Glu
65 70 75 80
Val Phe Gly Ser Ser Leu Pro Ser Asn Trp Gln Asp Ile Ser Leu Glu
85 90 95
Asp Ser Arg Leu Lys Phe Asn Leu Leu Ala His Leu Ala Asp Asp Leu
100 105 110
Gly His Val Val Pro Lys Leu Xaa Thr Pro Pro Asp Val Xaa Gly Xaa
115 120 125
Arg Cys Xaa Xaa
130

<210> 1432

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1432

Ser Gly Thr Val Lys Arg His Xaa Arg Xaa Xaa Ile Ser Gly Arg Pro
1 5 10 15

Pro Ala Pro Pro Arg Xaa Pro Arg Glu Gly Pro Gly Ala Gly
20 25 30

<210> 1433
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1433
Thr Pro Leu Ser Gln Asn Pro Ala Gln Ala Glu Arg Tyr Gly Ser Ala
1 5 10 15

Ala Glu Pro Arg Leu Ala Ser Asp Ser Arg Ser Pro Arg Cys Pro Arg
20 25 30

Arg Arg Ala Ala Xaa Xaa Xaa Arg Xaa Pro Pro
35 40

<210> 1434
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1434
Leu Asn Ala Ser Lys Ser Glu Ser Arg Pro Gly Gly Thr Ile Arg Gln
1 5 10 15
Arg Arg Gly Ala Ser Asp Gly Ser Asp Ser Arg Ser Pro Ala Xaa Pro
20 25 30
Arg Arg Arg Ala Ala Pro Pro Xaa Arg Ala Xaa Arg Ala Arg Glu
35 40 45

<210> 1435
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1435
Cys Leu Ser Phe Leu Tyr Tyr His Arg Tyr Phe Pro His Ser Leu Ala
1 5 10 15
Xaa Ala Cys Arg Met Leu Xaa Lys Ser Leu Ile Asn His Trp Ala Lys
20 25 30
Tyr Thr Glu Gly Glu Ala Ser Ser Ile Phe Lys Leu Val Ser Lys Phe
35 40 45
Phe Ile Ala
50

<210> 1436
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1436
Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
1 5 10 15
Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Val
20 25 30
Val Gln Asp Arg Ile Leu Ser Ser Thr Leu Asn Leu Pro Gln Asn Pro
35 40 45
Leu Asn Pro Leu Xaa Asn Leu Thr Gly Ser Pro Lys Arg Asn Ser Ser
50 55 60
Leu Asp Thr Arg Lys Lys Pro Cys Xaa Glu Ser Lys Lys Ile Asn Xaa

65 70 75 80
 His Ser Xaa Pro Lys Ser Ser Thr Xaa Xaa Lys Ala Val Lys Leu Thr
 85 90 95

<210> 1437
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1437
 Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser
 1 5 10 15
 Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu
 20 25 30
 Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu
 35 40 45
 Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr
 50 55

<210> 1438
 <211> 121
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (108)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1438
 Asp Gly Gly Ser Ser Val Gln Ser Glu Ala Glu Ala Ser Val Asp Pro
 1 5 10 15
 Ser Leu Ser Trp Gly Gln Arg Lys Lys Leu Tyr Tyr Asp Thr Asp Tyr
 20 25 30
 Gly Ser Lys Ser Arg Gly Arg Gln Ser Gln Gln Glu Ala Glu Glu Glu
 35 40 45
 Glu Arg Glu Glu Glu Glu Ala Gln Ile Ile Gln Arg Arg Leu Ala

50 55 60
 Gln Ala Leu Gln Glu Asp Asp Phe Gly Val Ala Trp Val Glu Ala Phe
 65 70 75 80
 Ala Lys Pro Val Pro Gln Val Asp Glu Ala Glu Thr Arg Val Val Lys
 85 90 95
 Asp Leu Ala Lys Gly Ser Val Glu Arg Lys Thr Xaa Lys Cys Cys Lys
 100 105 110
 Arg Asn His Gln Asn Ser Trp Ser Leu
 115 120

<210> 1439
 <211> 78
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1439
 Leu Leu Asn Ile Leu Glu Phe Phe Tyr Ser Trp Tyr Leu Lys Lys Lys
 1 5 10 15
 Lys Lys Arg Ala Ala Ala Leu Glu Asp Pro Ser Arg Gly Pro Ser Phe
 20 25 30
 Thr Arg Ala Cys Asp Val His Ser Ser Leu Pro Ile Val Ser Arg Ile
 35 40 45
 Ile Lys Leu Gly Thr Gly Arg Ala Val Tyr Asn Val Arg Gly Leu Gly
 50 55 60
 Arg Ser Ala Ser Leu Gly Xaa Xaa Val Glu Gly Thr Leu Leu
 65 70 75

<210> 1440
 <211> 121

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1440
Leu Cys Ala Phe Ser Ala Pro Phe Ser Gly Cys Pro Thr Leu Pro Leu
1 5 10 15
His Ala Ala Trp Ala Ala Arg Xaa Arg Xaa Pro Thr Gly Ser Lys Cys
20 25 30
Ala Phe Leu Arg Ala Leu Pro Glu Ser Ser Thr Ala His Pro Val Ala
35 40 45
Pro Cys Leu Ala Trp Pro Gly Leu Pro Gly Pro Ser Leu Pro Met Leu
50 55 60
Leu His Val Leu Ile Phe Leu Phe Gly Pro Leu Leu Pro Pro Leu Ala
65 70 75 80
Val Leu Pro Leu Gly Leu Xaa Pro Ser Cys Leu Asn Leu Gly Lys Val
85 90 95
Leu Ser Leu Trp Xaa Ser Ser Ser Xaa Pro Arg Val Leu Glu Pro Gly
100 105 110
Leu Phe Pro Thr Gly Pro Thr Leu Thr

115

120

<210> 1441
<211> 121
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
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<400> 1441

Gln Xaa Ile Ser Ala Pro Trp Gly Leu Glu Gln Asn Trp Gln Arg Gly
1 5 10 15
Lys Arg Ser Leu Arg Ala Ser Val Thr Gln Asp Leu Pro Pro Ala Cys
20 25 30
Pro Ser Pro Ala Arg Leu Leu Glu Asn Gly His Cys Ala Gln Pro Gly
35 40 45
Pro Trp Ala Ala Gln Ala Gly Val Xaa His Gly Pro Gly Pro Pro Ser
50 55 60
Leu Pro Leu Leu Arg Pro Pro Ala Phe Arg Gln Ala Lys Ala Xaa Phe
65 70 75 80
Xaa Pro Thr Arg Pro Pro Gln Gly Ala Ser Gly Ala Gln Val Gly Pro
85 90 95
Ser Phe Asn Leu Pro Val Val Val Val Gly Ala Leu Xaa Xaa Pro Gln
100 105 110
Arg Ser His Phe Xaa Gly Xaa Xaa Trp
115 120

<210> 1442

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1442

Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
1 5 10 15
Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu
20 25 30
Ser Lys Ile Glu Ser
35

<210> 1443

<211> 61

<212> PRT

<213> Homo sapiens

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<400> 1443

Ala Lys Pro Xaa Pro Lys Pro Thr Pro Pro Tyr Tyr Xaa Thr Thr Leu
1 5 10 15

Ala Lys Pro Phe Thr Gln Ile Lys Tyr Xaa Arg Tyr Lys Leu Lys Pro
20 25 30

Xaa Xaa Ile His Ile Leu Pro Pro Gly Lys His Glu Lys Leu Xaa Pro
35 40 45

Xaa Xaa Ile Xaa Xaa Gly Leu Thr Pro Ile Pro Ser Ala
50 55 60

<210> 1444

<211> 35

<212> PRT

<213> Homo sapiens

<400> 1444

Asn Ala Tyr Val Asn Phe Phe Leu Phe Leu Ser Ile His Pro Asn Lys
1 5 10 15

Lys Ile Thr Gly Lys Pro Met Phe Leu Arg Cys His Tyr Ser Lys Gln
20 25 30

Asn Lys Arg
35

<210> 1445

<211> 79

<212> PRT

<213> Homo sapiens

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<400> 1445
Gly Arg Gly Ser Ser Gly Leu Met Leu Gly Cys Arg Ser Ala Pro Val
1 5 10 15
Ala Thr Pro Pro Xaa Gln Pro Gly Xaa Leu Gly Ala Arg Leu Gly Val
20 25 30
Leu Thr Gly Val Gly Xaa Thr Pro Asn Ser Lys Ser Leu Arg Lys Arg
35 40 45
Glu Val Glu Gly Glu Ala Ser Xaa Xaa Ile Lys Ala Pro Ile Arg Ser
50 55 60
Lys Lys Lys Lys Lys Xaa Xaa Gly Gly Gly Pro Xaa Pro Asn Xaa
65 70 75

<210> 1446
<211> 104

<212> PRT

<213> Homo sapiens

<400> 1446

Phe Ala Cys Ser Arg Arg Gly Val Ala Leu Ile Ser Ala Met Ser Ser
1 5 10 15
Gln Lys Gly Asn Val Ala Arg Ser Arg Pro Gln Lys His Gln Asn Thr
20 25 30
Phe Ser Phe Lys Asn Asp Lys Phe Asp Lys Ser Val Gln Thr Lys Lys
35 40 45
Ile Asn Ala Lys Leu His Asp Gly Val Cys Gln Arg Cys Lys Glu Val
50 55 60
Leu Glu Trp Arg Val Lys Tyr Ser Lys Tyr Lys Pro Leu Ser Lys Pro
65 70 75 80
Lys Lys Cys Val Lys Cys Leu Gln Lys Thr Val Lys Asp Ser Tyr His
85 90 95
Val Met Cys Arg Pro Cys Ala Leu
100

<210> 1447

<211> 34

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1447

Tyr Pro Arg Xaa Leu Xaa Cys His Arg Val Ala Gln Ala Cys Pro Ala
1 5 10 15

Thr Pro Arg Ile Thr Leu Trp Pro Ser Ala Ser Gly Met Ser Xaa Arg
20 25 30

Trp Ser

<210> 1448

<211> 80

<212> PRT

<213> Homo sapiens

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<222> (2)

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<222> (3)

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<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1448

His	Xaa	Xaa	Asn	Pro	Xaa	Ser	Asn	Xaa	Lys	Tyr	His	Arg	His	Xaa	Xaa
1				5					10					15	

His	Lys	Glu	Tyr	Lys	Xaa	His	His	Pro	Xaa	Ala	Trp	Glu	Asn	Val	Val
		20						25						30	

Glu	Asn	Leu	His	Leu	Tyr	Xaa	Ile	Leu	Lys	Met	Lys	Leu	Gly	Val	Val
	35						40					45			

Val	His	Thr	Cys	Gly	Pro	Ser	Leu	Leu	Gly	Xaa	Leu	Gln	Pro	Gly	Xaa
	50					55						60			

Xaa	Ala	Pro	Xaa	Gln	Gly	Leu	Val	Ala	Ala	Met	Ser	Ser	Xaa	Leu	Ala
65						70				75				80	

<210> 1449
 <211> 110
 <212> PRT
 <213> Homo sapiens

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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1449
 Gly Thr Val Tyr Leu Glu Leu Arg Gly Phe Pro Arg Thr Met Gly Met
 1 5 10 15
 Ala Lys Asn Lys Leu Val Lys Ser Asp Pro Gly Thr Gln Gln Leu Ile
 20 25 30
 Leu Xaa Phe Phe Leu Ser Leu Ser Arg Val Phe Phe Pro Pro Trp Ala
 35 40 45
 Gly Met His Thr Ala Ala Ala Leu Val Ser Gly Gln Ala Asp Gly Leu
 50 55 60
 Gly Ala Ser Pro Arg Gly Val Ala Gly Ala Glu Asp Pro Pro Arg Arg
 65 70 75 80
 Thr Pro Ala Ser Ser Ala Gly Gln Arg Gln Ala Gly Arg Ala Phe Arg
 85 90 95
 Gly Ala Arg Ala Phe Xaa Gln Ala Cys Ser Pro Xaa Cys Ser
 100 105 110

<210> 1450
 <211> 111
 <212> PRT
 <213> Homo sapiens

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<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1450
Xaa Ser Ala Glu His Phe His Arg Leu Pro Arg Arg Xaa Xaa Gln Leu
1 5 10 15
Arg Asp Val His His Gly Trp Ala Pro Arg Gly Glu Arg Arg Pro Thr
20 25 30
Xaa Ala Val Pro Val Arg Glu Arg Glu Gly Phe Arg Gly Val Arg Arg
35 40 45
Arg Thr Leu Gly Pro Pro Ala Ala Val Tyr Arg Ala Ser His Leu Leu
50 55 60
Ser Xaa Phe Pro Leu Ser Arg Ser Lys Asn Thr Lys Leu Gly Thr Pro
65 70 75 80

Ser Ala Pro Trp Trp Arg Leu Pro Gly Pro Ile His Asn Phe Asn Xaa
 85 90 95

Xaa Pro Gly Ser Pro Ser Phe Arg Gly Gly Leu Gly Arg Gly Cys
 100 105 110

<210> 1451

<211> 40

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1451

Xaa Lys Leu Trp Ser Phe Cys Leu Val Ala Leu Lys Xaa Phe Cys Ala
 1 5 10 15

Ile Met Gln Gln Tyr Gly Gly Lys Ile Leu Trp Lys Asn Gly Asp Xaa
 20 25 30

Leu Xaa Xaa Pro Gln Xaa Ile Lys

35

40

<210> 1452
<211> 40
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (36)
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<400> 1452
Thr Ser Ser Gly Thr Arg Asp Leu Pro Leu Gly Trp Pro Ala Arg Arg
1 5 10 15

Xaa Arg Xaa Gly Xaa Pro Gly Ser Thr His Ala Ser Ala Ile Leu Leu
20 25 30

Glu Xaa Ile Xaa Leu Ser Pro Pro
35 40

<210> 1453
<211> 67
<212> PRT
<213> Homo sapiens

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 <222> (59)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (67)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1453
 Xaa Ser Ala Thr Gln Glu Val Arg Ile Leu Leu Ala Ser Ala Gly Cys
 1 5 10 15
 Cys Phe Phe Ser Gly Ser Gly Thr Gly Arg Gly Pro Val Val Tyr Leu
 20 25 30
 Thr Gln Met Gly Asp Glu Lys Val Leu Leu Xaa Lys Xaa Lys Thr Leu
 35 40 45
 Asp Gly Asn Ser Ser Gly Lys Arg Asn Glu Xaa Arg Asn Lys Arg Arg
 50 55 60
 Lys Gln Xaa
 65

<210> 1454
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 1454
 Asn Ser Glu His Ser Thr His Val Trp His Phe Lys Val Lys Thr Ser
 1 5 10 15

Val Thr Ser Arg Thr Lys Glu Ile Val Ser Tyr Thr Phe Ile Phe Met
20 25 30

Asn Ser Phe Ile Phe Leu Phe Asn Asp Ser Leu Phe
35 40

<210> 1455

<211> 39

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1455

Thr Ser Thr Ser Trp Cys Val Ser Leu Thr Gly Val Glu Asp Gln Thr
1 5 10 15

Gly Xaa Xaa Xaa Xaa Cys Ser Glu Arg Val Arg Ser Tyr Trp Ile Ile
20 25 30

Ile Xaa Leu Asn Pro Lys Gln
35

<210> 1456
<211> 149
<212> PRT
<213> Homo sapiens

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<400> 1456

Ser Pro Pro Pro Gly Leu Ala Leu Pro Gly Gly Tyr Asp Trp Ser
1 5 10 15
His Trp Ser Arg Arg Ile Pro Ala Ser Ser Val Ala Ala Ser Thr Ser
20 25 30
Leu Ser Arg Pro Arg Pro Ala Pro Arg Arg Leu Leu Trp Val Arg Pro
35 40 45
Pro Arg Gly Ala Ala Xaa Ser Gln Ala Ala Gly Gln Ala Arg Leu Lys
50 55 60
Ser Leu Gln Trp Leu Thr Asn Leu Ser Leu Ser Val Leu Thr Trp Pro
65 70 75 80
Xaa Ile Asp Tyr Gly Arg Leu Gly Val Asn Ser Ile Pro Thr Ile Lys
85 90 95
Val Ile Ser Gln Ser Pro Leu Xaa Gln Ala Thr Val Met Ser Ser Xaa
100 105 110
Xaa Phe Gly Gly Ile Ala His Thr Xaa Xaa Thr Glu Xaa Xaa Arg Asn
115 120 125
Asp Thr Asn Met Ser Gln Ser Phe Xaa Gly Asn Leu Asp Pro Trp Asn
130 135 140
Val Phe Ser Xaa Trp
145

<210> 1457

<211> 140

<212> PRT

<213> Homo sapiens

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<220>
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<400> 1457
Glu Ala Ala Ala Leu Gly Leu Ser Gln Pro Ser Gly Cys Trp Cys Cys
1 5 10 15
His Pro Pro Ala Leu Ser Leu Trp His Phe Pro Pro Leu Arg Pro Trp
20 25 30
Arg Ala Leu Pro Val Gly Leu Ala Ala Pro Gln Asn Leu Gly Pro Ser
35 40 45
Ser Ser Ile Gly Phe Ser Pro Gly Phe His Leu Leu Pro Arg Ala Gln
50 55 60
Pro Leu Thr Cys Phe Ile Gly His Ser Gly Cys Ser Leu Thr Gln Trp
65 70 75 80
Leu Val Gly Arg Gly Val Thr Glu Gly Ser Gln Gly Pro Val Gly Val
85 90 95
Pro Gly Gln Lys Asn Trp Leu Gln Leu Pro Val Trp Ser Arg Val Phe
100 105 110
Arg Val Asn Val Xaa Asn Phe Lys Gly His Ser Xaa Asn Gln Leu Gly
115 120 125
Val Lys Ser Leu Arg Met Xaa Asn Leu Xaa Gly Arg
130 135 140

<210> 1458
<211> 41
<212> PRT
<213> Homo sapiens

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<400> 1458
Pro Pro Arg Cys Ser Arg Ser Xaa Thr Ser Xaa Xaa Pro Gly Cys Arg
1 5 10 15
Asn Ser Ala Arg Ala Cys Lys Thr Ala Gly Cys Thr Ala Ser Ser Lys
20 25 30
Pro Arg Xaa Ser Glu Gln Ile Leu Arg
35 40

<210> 1459
<211> 56
<212> PRT
<213> Homo sapiens

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<400> 1459
Arg Val Phe Phe Phe Phe Phe Phe Phe Leu Asp Gly Ile Phe Asn Leu
1 5 10 15

Phe Ile Met Phe Val Ser Tyr Arg His Leu Cys Phe Xaa Gln Gln Phe
20 25 30

Ile Ile Val Thr Ser His Thr Ser Xaa Ile Thr Thr Glu Arg Thr Leu
35 40 45

Lys Tyr Lys Glu Arg Leu Gln Lys
50 55

<210> 1460
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1460
Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser Pro Lys
1 5 10 15

Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu Ser Lys
20 25 30

Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu Arg Lys
35 40 45

Arg Ser Ser Ser Thr Pro Thr Thr
50 55

<210> 1461
<211> 124
<212> PRT
<213> Homo sapiens

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<400> 1461

Gly Phe Arg Glu Asn Lys Leu Lys Xaa Ile Lys Phe Val Lys Ser Asn
1 5 10 15

Tyr Ile Tyr Ile Lys Lys Pro Ile Cys Ile Arg Gln Lys Leu Phe Leu
20 25 30

Phe Ile Ser Val Arg Tyr Pro Leu Asn Lys Tyr Phe Ser Gly Xaa Lys
35 40 45

Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Xaa Xaa Lys Gly Gly Arg
50 55 60

Xaa Lys Gly Ser Xaa Leu Thr Phe Ala Cys Xaa Gln Arg His Thr Ser
65 70 75 80

Pro Xaa Leu Ser Pro Asn Phe Xaa Pro Leu Ala Val Phe Leu Gln Pro
85 90 95

Ser Xaa Leu Gly Lys Ser Xaa Xaa Val Xaa Gln Leu Lys Pro Pro Cys
100 105 110

Xaa Tyr Ile Pro Phe Ser Pro Ala Xaa Arg Xaa Phe
115 120

<210> 1462

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1462

His Glu Ala Ala Pro Glu Phe Gly Arg Lys Ile Glu Ala Glu Asp Val
1 5 10 15

Glu Gly Ser Cys Gly Gly Gly Ser Asp Ala Ser Gly Thr Lys Leu Arg
20 25 30

Asn Ser Leu Thr Asp Pro Val Pro Arg Glu Arg Gly Ser Pro Gln Ala
35 40 45

Leu Leu Xaa

50

<210> 1463
<211> 80
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1463
His Xaa Phe Ala Thr Val Met Asp Val Tyr Xaa Asn Pro Xaa Arg Val
1 5 10 15
Cys Leu Pro Ala Leu His Pro Lys Ala His Leu Leu Pro Pro Leu His
20 25 30

Leu Arg Xaa Lys Thr Leu Gln Thr Ala Asp Thr Arg Lys Xaa Asn Ser
35 40 45
Gln Leu Cys Leu Met Leu Leu Val Ser Ser Thr Ser Xaa Gln Asn Arg
50 55 60
Tyr His Ala Glu Phe Arg Gly Pro Cys Xaa Ser Lys Ser Leu Leu Phe
65 70 75 80

<210> 1464

<211> 81

<212> PRT

<213> Homo sapiens

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<400> 1464
Val Phe Leu Cys Leu Cys Ala Ser Ala Met Xaa Lys Asn Thr Arg Gln
1 5 10 15

Thr Thr Met Arg Ile Asn Xaa Xaa Asp Ala Leu Cys Thr Pro His Ser
 20 25 30
 His Glu Pro Lys Lys Ile Phe Xaa Xaa Phe Leu Met Lys Glu Lys Xaa
 35 40 45
 Cys Pro Leu Trp Xaa Leu Pro Pro Xaa Phe Xaa Xaa Xaa Ile Leu Phe
 50 55 60
 Xaa Leu Pro Pro Pro Lys Asn Pro Xaa Xaa Xaa Cys Phe Leu Ala Xaa
 65 70 75 80
 Pro

<210> 1465
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1465
 Ile Gln Leu Gly Glu Pro Ala Gly Leu Val Arg Gln Xaa Leu Gly Leu
 1 5 10 15

Cys Gln Gln Gln Glu Val Lys Arg Xaa Thr Leu Pro Pro Ser Pro Pro
 20 25 30

Xaa Xaa

<210> 1466
<211> 151
<212> PRT
<213> Homo sapiens

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<222> (58)
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<222> (82)
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<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1466

Thr Val Leu Pro Xaa Met Xaa Ser Pro Met Gly His Pro Xaa Xaa Phe
1 5 10 15

Pro Lys Pro Pro Xaa Lys His Thr Trp Ser Gln Ser Leu Leu Pro Pro
20 25 30

Ala Leu Pro Leu Asn Trp Lys Gln Xaa Cys Ala Arg Trp Xaa Gly Leu
35 40 45

Pro Gly Arg Gln Pro Leu Pro Xaa Ser Xaa Ala Lys Pro Xaa Ala Xaa
50 55 60

Glu Arg Leu Leu Leu Arg Cys Pro Cys Pro Gly Leu Leu Thr Leu Ala

<400> 1467
Gly Asn Leu Xaa Gly Gly Cys Gln Asn Leu Asn Lys Lys Met Ala Pro

1 5 10 15
Thr Xaa His Ser Gln Thr Pro Leu Trp Xaa Leu Ala Leu Lys Xaa Lys
 20 25 30
Xaa Arg

<210> 1468
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1468
His Val Leu Met Leu Ala Ala Asp Leu Asn Thr Leu Lys Val Leu Cys
1 5 10 15
Arg Lys Lys Lys Xaa Xaa Arg Ala Ala Ala Leu Glu Asp Pro Ser Leu
 20 25 30
Arg Thr Arg Ala Cys Asp Xaa Ile
 35 40

<210> 1469
<211> 30
<212> PRT
<213> Homo sapiens

<220>
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<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1469
Ala Leu Cys Phe Lys Arg Leu Thr Gly Asn Tyr Ile Trp Xaa Thr Phe
1 5 10 15
Xaa Ala Leu Thr Leu Lys Xaa Leu Lys Ile Gln Val Asp Lys
20 25 30

<210> 1470
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1470

Thr Ser Pro Ser Arg Lys Cys Glu Glu Pro Gln Ala His Xaa Cys Ser
1 5 10 15
Ser Ala Pro Ser Leu Thr Phe Ser Pro Gly Gln Val Cys Ile Cys Ser
20 25 30
Leu His Trp His Phe Tyr Phe Gln Pro Leu Gly Ser Cys Phe Cys Leu
35 40 45
Leu Leu Arg Asn Leu Ser Pro Trp Gly Ser Phe Thr Thr Pro Ser Asn
50 55 60
Ile Gly Ser Gln Arg Xaa Thr Arg Glu Gly Xaa Phe Pro Arg Xaa Gly
65 70 75 80
Pro Asn Phe Xaa Arg Glu Phe
85

<210> 1471
<211> 65
<212> PRT
<213> Homo sapiens

<220>
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<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1471
Gly Ala Glu Asp Gly Gly Cys Ser Ile Cys Val Val Leu Leu Ser Thr
1 5 10 15
Leu Leu Cys Leu Ala Pro Asp Ser Ala Leu Cys Ser Leu Ala Gln Gln
20 25 30
Leu Cys Leu His Ile Ile Phe Met Val Leu Leu Cys Asn Ser Xaa Leu
35 40 45
Arg Trp Val Ala Thr Val Gln Ile Phe Ile Thr Leu Phe Arg Leu Ser
50 55 60
Glu
65

<210> 1472
<211> 68
<212> PRT

<213> Homo sapiens

<400> 1472

Thr Pro Ile Asn Leu Thr Thr Ser Cys Ser Ala Tyr Ile Pro Pro Ser
1 5 10 15

Ser Ala Asn Pro Asp Glu Gly Tyr Lys Val Ser Ala Ser Thr His Val
20 25 30

Lys Thr Leu Gly Gln Gly Val Ala His Glu Val Ala Arg Asn Gly Leu
35 40 45

His Phe Leu Pro Gln Lys Thr Thr Ile Ala Leu Met Lys Leu Lys Gly
50 55 60

Arg Arg Trp Ile
65

<210> 1473

<211> 132

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1473
Xaa Gly Gly Gly Gly Glu Xaa Phe Phe Xaa Pro Pro Ser Arg Gly Gly
1 5 10 15

Xaa Leu Xaa Phe Gly Val Asn Lys Pro Leu Pro Pro Gly Xaa Pro Arg
20 25 30

Gly Ser Pro Gly Lys Xaa Phe Xaa Pro Gly Gly Phe Arg Xaa Xaa Leu

35 40 45
Ile Ala Xaa Xaa Pro Gly Xaa Phe Xaa Pro Lys Lys Asn Lys Xaa Xaa
50 55 60
Phe Pro Phe Xaa Pro Xaa Leu Thr Trp Ala Ala Phe Ala Gln Lys Gly
65 70 75 80
Phe Gly Gly Gly Xaa Lys Gly Gln Xaa Pro Leu Xaa Leu Glu Thr Gly
85 90 95
Glu Lys Leu Gln Leu Trp His Xaa Ala Leu Xaa Val Val Pro Thr Cys
100 105 110
Lys Arg Gly Gln Xaa Gly Gly Asn Leu Asn Leu Pro Ser Lys Lys Lys
115 120 125
Leu Ala Lys Tyr
130

<210> 1474

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1474

Ile Ile Met Ala Lys Lys Ser Ser Leu Arg Asn Lys Val Pro Phe Ser
1 5 10 15

Glu Lys Lys Lys Lys Lys Lys Lys Xaa Gly Gly Pro Phe Xaa Xaa Thr
20 25 30

<210> 1475
<211> 51
<212> PRT
<213> Homo sapiens

<400> 1475
Tyr Val Ala Leu Leu Asn Ile Thr Leu Arg Thr Arg Arg Leu Glu Thr
1 5 10 15
Thr Asn Pro Asn Tyr Val Ile Gly Lys Cys Arg Ile Lys Arg Pro Met
20 25 30
Tyr Ile Ser Thr Asp His Trp Ala Ile Met Leu Leu Leu Arg Leu Tyr
35 40 45
Ala Val Leu
50

<210> 1476
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1476
Thr Phe Leu Ser Gly Gly Glu Val Val Asn Gly Gly Gly Cys Ala Cys
1 5 10 15
Val Xaa Ala Arg Val Ile Trp Glu Phe Ser Val Pro Ser Val Gln Phe
20 25 30
Cys Tyr Glu Pro Lys Thr Ala Leu Lys Asn Asn Leu Cys Phe Lys Lys

35 40 45
Val Xaa Val Leu Tyr Xaa Leu Leu Leu Glu Ile Phe Val Ala Ile Phe
50 55 60
Thr Trp Lys Asn Thr Gly
65 70

<210> 1477
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1477
His Arg Thr Pro Val Pro Ala Arg Gly Gly Ala Arg Ala Leu Pro Arg
1 5 10 15
Ala Arg Gly Ala Trp Arg Gly Gly Arg Pro Ala Gly Gly Asp Arg Arg
20 25 30
Gly Thr Gly Tyr Pro Arg Pro Thr Glu Ala Pro Arg Arg Cys Arg Ile
35 40 45
Val Pro Pro Gly Xaa Asp Ser Asp Leu Glu Ala Phe Ser His Asn Pro
50 55 60
Thr Asp Gly Ser Phe Ala Pro Leu Ala Pro Gln Xaa Ser Thr Tyr Thr
65 70 75 80
Lys Cys Leu Asn Leu Arg Xaa Leu Ser Tyr
85 90

<210> 1478
<211> 70
<212> PRT
<213> Homo sapiens

<400> 1478
Ile Pro Asn Ile Leu Phe Asn Met Ile Lys Leu Ile Leu Asn Glu Ile
1 5 10 15
Leu Cys Cys Ser Leu Val Asn Leu Ser Phe Val Ile Leu Leu Val Cys
20 25 30
Leu Ser Cys Glu Gly Leu Gln Ser Asp Met Pro Ile Phe His Ser Gln
35 40 45
Ser Asn Tyr Lys Arg Ile Val Thr Ile Thr Gln Leu Cys Gln Glu Ile
50 55 60
Phe Phe Asn Ser Leu Arg
65 70

<210> 1479
<211> 59
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1479

Pro Val Pro Pro Ser Ser Ser Ala Arg Xaa Gly Gly Gly Gly Xaa Arg
1 5 10 15

Arg Gly Arg Gly Xaa Val Pro Pro Ala Gly Xaa Ala Pro Gly Ala Xaa
20 25 30

Val Pro Ala Ala Pro Arg Leu Gly Arg Arg Leu Xaa Ala Asp Leu Glu
35 40 45

Leu Val Arg Xaa Arg Gly Ile Arg Leu Phe Asn
50 55

<210> 1480

<211> 99

<212> PRT

<213> Homo sapiens

<220>

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<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (38)

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<220>

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<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1480
Leu His Pro Arg Pro Gly Leu Asp Val Met Gly Cys Gly Pro Leu Pro
1 5 10 15
Ala Glu Pro Ile Xaa Arg Gln Val Arg Ala Ala Leu Gln Thr Phe Ala
20 25 30
His Leu Xaa Ala Ser Xaa Pro Lys Val Pro Gly Gln Pro Glu Ala Pro
35 40 45
Arg Pro Gln Pro Arg Xaa Pro Gln Xaa Phe Glu Ser Gly Ala His Ser
50 55 60
Arg Ser Pro Leu Ala Leu Pro Thr Pro Ala Arg Xaa Gly Gly Xaa Ser
65 70 75 80
Cys Pro Arg Xaa Arg Xaa Ala Pro Glu Asn Xaa Thr Pro Pro Leu Arg
85 90 95
Arg Thr Asn

<210> 1481
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1481
Ser Pro Ser Leu Ile Arg Xaa Pro Ile Gly Lys Ala Glu Xaa Ala Cys
1 5 10 15
Arg Tyr Arg Val Arg Glu Phe Pro Gly Arg Pro Thr Arg Pro Ile Thr
20 25 30
Ser Cys Arg Pro Pro Asn Ile Asn Leu
35 40

<210> 1482
<211> 99
<212> PRT
<213> Homo sapiens

<220>
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<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1482
 Pro Arg Xaa Arg Glu Ile Pro Gly Gly Arg Thr His Ala Phe Arg Glu
 1 5 10 15
 Lys Ala Cys Xaa Lys Gln Gly Glu Xaa Arg Xaa Glu Lys Gly Gly Leu
 20 25 30
 Val Ile Ser Lys Ser Leu Glu Arg Trp Glu Trp Thr Lys Lys Met Gly
 35 40 45
 Thr Pro Pro Leu Phe Gln Ala Trp Glu Gly Val Leu Asn Gly Arg Asp
 50 55 60
 Phe Leu Phe Pro Ala Thr Lys Arg Leu Phe Thr Thr Tyr Pro Val Lys
 65 70 75 80
 Ser Lys Phe Ile Phe Gln Glu Phe Asn Met Tyr Phe Ser Trp Xaa Tyr
 85 90 95
 Leu Cys Gln

<210> 1483
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 1483
 Cys Asn Ser Val Ser Phe Arg Phe Leu Ser Cys Phe Cys Lys Leu Trp
 1 5 10 15
 Glu Arg Leu Thr Met Gln Met Cys Gln Arg His Thr Val Gly Cys Asn
 20 25 30
 Ile Asn Asn Phe Lys Cys Lys Phe Leu Trp Ile Asn Tyr Phe Tyr Ile
 35 40 45
 Leu

<210> 1484
<211> 51
<212> PRT
<213> Homo sapiens

<400> 1484
Cys Lys Gln Tyr Leu Thr Asn Pro Gln Val Leu Asn Tyr Gln Thr Cys
1 5 10 15
Ile Lys Asn Phe Gly Trp Gly Asp Leu Gly Ala Glu Pro Asn Leu Arg
20 25 30
Ala Val His Ala Lys Thr Ser Pro Val Lys Ala Asn Tyr Tyr Thr Gln
35 40 45
Leu Ile Gln
50

<210> 1485
<211> 22
<212> PRT
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1485

Leu Ser Leu Leu His Glu Xaa Pro His Val Gly Xaa Xaa Xaa Phe Asp
1 5 10 15

Ile Leu Val Pro Arg Xaa
20

<210> 1486

<211> 126

<212> PRT

<213> Homo sapiens

<220>

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<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1486

Glu Gln Thr Cys Phe Leu Asn Leu Val Ile Phe Val Lys Asn Cys Leu
1 5 10 15

Asp Ser Phe Ser His Gln Arg Glu Ser Thr Ser Ser Glu Ser Ala Ser
20 25 30

Ala Pro Cys Ser Leu Leu Leu Arg Gly Arg Val Thr Ser His Trp Gln
35 40 45

Ala Ser Gly Ile Val Cys Glu Ala Leu Gln Arg Ala Ala Pro Gly Ser
50 55 60

Cys Leu Tyr Lys Asn Ile Leu Leu Pro Ala Ala Leu Ser Leu Ala Leu
65 70 75 80

His Phe Gly His Asp Ile Arg Cys Val Phe Ile Gln Leu Val Val Lys
85 90 95

Met Leu Leu Leu Asn Gly Ser Ala Tyr Leu Cys Leu His Gly Leu Xaa
100 105 110

Glu Val Gly Phe His Gly His Ser Val Ser Thr Asp Leu Glu
115 120 125

<210> 1487

<211> 51

<212> PRT

<213> Homo sapiens

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<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1487

Val Glu Ala Thr Asn Leu Pro Glu Pro Gly Asp Ser Trp Xaa Val Gln
1 5 10 15

Asp Lys Asn Leu Ser Ser Thr Phe Lys Phe Trp Pro Thr Xaa Pro Xaa
20 25 30

Lys Phe Pro Trp Xaa Ile Asn Arg Xaa Val Gln Glu Gly Pro Gly Xaa
35 40 45

Gly Thr Pro
50

<210> 1488

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1488

Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu
20 25 30

Ser Lys Ile Glu Ser
35

<210> 1489

<211> 26

<212> PRT

<213> Homo sapiens

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1489

Gly Gly Met Arg Xaa Ser His Leu Gln Leu Leu Ser Xaa Glu Arg Thr
1 5 10 15

Leu Gly Thr Glu Lys Asn Arg Gly Xaa Xaa
20 25

<210> 1490

<211> 39

<212> PRT

<213> Homo sapiens

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<400> 1490
Ser Phe Leu Ile Xaa Ser Phe Xaa Ile Lys Arg Xaa Arg Asn Leu Met
1 5 10 15
Thr Gly Arg His Ser Phe Lys Thr Tyr Ser Gln Xaa Pro Ile Thr Ala
20 25 30
Gln Asn Xaa Ile Xaa Cys Leu
35

<210> 1491
<211> 55
<212> PRT
<213> Homo sapiens

<400> 1491
Thr Leu Ala Tyr Phe Val Ile Asp Tyr Lys Gln Ile Glu Glu Ile Thr
1 5 10 15

Ile Ser His Phe Cys Ile Phe Ser Lys Ile Ile Leu Leu Gln Ser Ser
20 25 30

Ile Tyr Cys Val Pro Leu Ile Phe Tyr Cys Glu Ser Lys Glu Phe His
35 40 45

Gln Asn Ile Leu Asn Tyr Glu
50 55

<210> 1492

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1492

Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu
20 25 30

Ser Lys Ile Glu Ser
35

<210> 1493

<211> 58

<212> PRT

<213> Homo sapiens

<220>

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<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1493

Ile Cys Pro Xaa Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser
1 5 10 15

Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu
20 25 30

Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu
35 40 45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr
50 55

<210> 1494
<211> 95
<212> PRT
<213> Homo sapiens

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<400> 1494
Glu Ser Trp Leu Cys Ser Gly Gly Gly Met Gln Gly His Leu Leu Lys
1 5 10 15
Glu Gly His Gly Gln Asn Asn Ile Glu Phe Pro Ala Pro Leu Gly Ser
20 25 30
Asp Leu Leu Asp Thr Glu Pro Pro Phe Lys Met Gly Gln Gly Lys Gly
35 40 45
Gly Ser Val Gln Ser Pro Asp Leu Glu Leu Pro Glu Ala Ile Ala Ala
50 55 60
Leu Phe Thr Ser Lys Gly Pro Val Leu Arg Leu Phe Val Leu Ile Tyr
65 70 75 80
Phe Lys Leu Gly Lys Ala Gly Gly Arg Val Xaa Pro Xaa Xaa Xaa
85 90 95

<210> 1495
<211> 67

<212> PRT
<213> Homo sapiens

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<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1495
Leu Ala Pro Gln Ala Gly Val Pro Pro His Ser Ala Pro Arg Pro Xaa
1 5 10 15

Ser Xaa Leu Ser Xaa Xaa Pro Gly Pro Ala Pro Val Pro Pro Arg Pro
20 25 30
Arg Ser Ala Gly Pro Pro Trp Ser Ala Gly Leu Asp Arg Xaa Gly Gly
35 40 45
Ala Trp Leu Leu Val Ala Xaa Arg Ala Leu Xaa Gln Xaa Leu Ser Ser
50 55 60
Asp Leu Xaa
65

<210> 1496
<211> 76
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1496
Glu Asn Pro Ser Lys Val Asn Ser Pro Ala Leu Gly Xaa Xaa Ser Xaa
1 5 10 15
Ala Ser Trp Arg Leu Xaa Val Xaa Leu Ile Ser Gly Asn Pro Xaa Gln
20 25 30
Ile Cys Ser Tyr Xaa Ser Arg Arg Xaa Ile Gly Ser Val Tyr Cys Asp
35 40 45
Gly Asn Xaa Asn Val Thr Val Lys Arg Phe Ala Phe Cys Gly Leu Gly
50 55 60
Arg Ala Xaa Asn Phe Leu Leu Arg Leu Ser Leu His
65 70 75

<210> 1497
<211> 103
<212> PRT
<213> Homo sapiens

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<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1497
Leu Pro Arg Cys Ala Pro Gly Ser Gln Ala Pro Pro Glu Gly Pro Trp
1 5 10 15
Pro Arg Arg Ile Arg Arg Val Arg Pro Gly Pro Arg Val Arg Gln Pro
20 25 30
Arg Arg Pro Ser Ala Ser Leu Arg Pro Ser Arg Ala Arg Pro Gly Arg
35 40 45
Ser Xaa Phe Pro Arg Pro Pro Pro Xaa Arg Leu Pro Ala Ala Ser Arg
50 55 60
Val Gly Ala Xaa Arg Gly Leu Xaa Pro Leu Leu Lys Phe Glu Ser Xaa
65 70 75 80
Asn Gln Xaa Val Arg Asn Pro Glu Ile Pro Asp Pro Leu Arg Lys Met
85 90 95
Phe Ser Xaa Glu Gly Glu Arg
100

<210> 1498

<211> 32
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1498
Gly Arg Xaa Gly Gly Arg Ala Gly Gly His Glu Ala Arg Ala Ala Xaa
1 5 10 15
Ala Gly Gly Val Gly Arg Arg Ala Arg Gly Gly Gly Arg Xaa Gly Met
20 25 30

<210> 1499
<211> 69
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1499
Val Ser His Leu Leu Ala Gly Phe Cys Val Trp Val Val Leu Xaa Trp
1 5 10 15
Val Gly Gly Ser Val Pro Asn Leu Gly Pro Ala Glu Gln Xaa Gln Asn
20 25 30
His Tyr Leu Pro Ser Cys Leu Ala Val Arg Arg Glu Trp Xaa Ala Asp
35 40 45
Cys Lys Gly Leu Gly Ala Val Phe His Asn Leu Xaa Leu Xaa Gln Val
50 55 60
Gln Gly Leu Xaa Leu
65

<210> 1500
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1500
Asn His Glu Arg Asn Lys Lys Glu Thr Lys Gln Lys Arg Asn Glu Lys
1 5 10 15
Asp Ile Met Met Ser Ser Lys Pro Thr Ser His Ala Glu Val Asn Glu
20 25 30
Thr Ile Pro Asn Pro Tyr Pro Pro Ser Ser Phe Met Ala Pro Gly Phe

35 40 45
Gln Gln Pro Leu Gly Ser Ile Asn Leu Glu Asn Gln Ala Gln Gly Ala
50 55 60
Gln Arg Ala Gln Pro Tyr Gly Ile Thr Ser Pro Gly Ile Phe Ala Ser
65 70 75 80
Ser Gln Pro Gly Gln Gly Asn Ile Xaa Met Ile Asn Pro Ser Val Gly
85 90 95
Thr Ala Val Met Asn Phe Lys Arg Lys Lys Gln Arg His
100 105

<210> 1501
<211> 71
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1501
Val Asp Glu Gly Gly Tyr Trp Gly Trp Leu Xaa Xaa Lys Ile Met Glu
1 5 10 15
Asn His Phe Ser Ile His Leu Pro Ile Leu Asn Leu Xaa Asn Lys Val

20 25 30
Ile Tyr Cys Lys Val Leu Cys Pro Leu Lys Glu Val Leu Lys Arg Val
35 40 45
Arg Met Asp Leu Lys Lys Asn Xaa Asn Leu Glu Xaa Phe Lys Met Val
50 55 60
Phe Val Gly Arg Phe Leu Leu
65 70

<210> 1502
<211> 52
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<210> 1504
<211> 36
<212> PRT
<213> Homo sapiens

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<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1504
Xaa Leu Glu Pro Gln Pro Gly Pro Xaa Arg Pro Xaa Arg Pro Pro Ser
1 5 10 15
Arg Arg Ser Trp Xaa Gln Gly Lys Pro Thr Gly Xaa Glu Arg Glu Ala
20 25 30
Ala Ala Arg Ser
35

<210> 1505
<211> 55
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1505
Ala Val Xaa Phe Asn Phe Leu Ser Ala Ala Ser Cys Val His Phe Leu
1 5 10 15
Leu Lys Val Ile Gly Phe Cys Leu Ser Ser Lys His Lys Asn Leu Lys
20 25 30
Gly Val Leu Gln Ile Phe Cys Ala Xaa Arg Trp Leu Phe Pro Ser Gly
35 40 45
Ser Xaa Phe Leu Asn Asn Asn
50 55

<210> 1506
<211> 58
<212> PRT
<213> Homo sapiens

<400> 1506
Ile Cys Ile Val Pro Pro Pro Val Ser Leu Ile Arg Met Thr Cys Ala
1 5 10 15
Ile Phe Gln Arg Thr Cys Arg Gln Ala Gly Ile Leu Asp Tyr Phe Ser
20 25 30
Tyr Ser Glu Thr Trp Pro Val Trp Glu Cys Gly Ile Gln Arg Trp Ser
35 40 45
His Arg Cys Pro Tyr Cys Lys Trp Gln Phe
50 55

<210> 1507
<211> 49

<212> PRT
<213> Homo sapiens

<220>
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<222> (3)
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
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<400> 1507
Leu Thr Xaa Ile Xaa Tyr Tyr Arg Xaa Ser Trp Tyr Ala Cys Arg Tyr
1 5 10 15
Arg Ser Gly Ile Xaa Gly Ser Thr His Ala Ser Ala Asp Ala Xaa Val
20 25 30
Gly Gly Gln Gly Lys Val Tyr Ser Lys Ser Xaa Lys Pro Cys Gln Leu
35 40 45
Lys

<210> 1508
<211> 120
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (109)

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1508

Val	Pro	Leu	Pro	Pro	Ser	Leu	Arg	Ser	Pro	Gly	Ser	His	Arg	Arg	His
1				5					10					15	
His	Ala	Ser	Gly	Lys	Pro	Gln	Arg	Gly	Leu	Pro	Ala	Ser	Gln	Pro	Pro
			20					25					30		
Arg	Arg	Ala	Leu	Cys	Pro	Pro	Ala	Arg	Ala	Pro	Thr	Ala	Leu	Gly	Ser
		35					40					45			
Arg	Pro	Ser	Pro	Arg	Pro	Phe	Gly	Pro	Xaa	Gly	Ala	His	Gly	Ser	Asp
	50					55					60				
Gly	Asp	His	Gly	Arg	Arg	Gly	Ser	Arg	Gly	Leu	Gly	Cys	Gly	Thr	Arg
65				70					75					80	
His	Gly	Gln	Arg	Pro	Asp	Arg	Ser	Leu	Gln	Arg	Gly	Glu	Leu	Gly	Ala
			85						90					95	

Leu Pro Ala Cys Cys Pro Xaa Gly Xaa His Pro Arg Xaa Pro Xaa Ala
100 105 110

Pro Ala Xaa Gly Ala Leu Arg Leu
115 120

<210> 1509

<211> 100

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1509
Val Ser Ile Val Ala Ala Gln Met Phe Leu Phe Phe Xaa Val Xaa Leu
1 5 10 15

Xaa Xaa Ile Ser Pro Xaa His Leu Thr Ser Leu Trp Xaa Ile Met Val
20 25 30
Ser Glu Leu Ile Xaa Thr Phe Thr Gln Leu Glu Glu Asn Leu Lys Asp
35 40 45
Glu Xaa Xaa Ser Leu Xaa Xaa Thr Xaa Lys Val Asn Arg Ile Xaa Val
50 55 60
Ser Val Pro Asp Ala Asn Gly Pro Ser Val Gly Glu Xaa Pro Xaa Ser
65 70 75 80
Glu Leu Ile Leu Tyr Leu Ser Ala Xaa Lys Phe Leu Asp Thr Ala Ala
85 90 95
Phe Phe Xaa Thr
100

<210> 1510
<211> 48
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1510
Gly Lys Ser Lys Phe Trp Val Glu Val Leu Xaa Ser Met Ser Phe Leu
1 5 10 15
Leu Phe Leu Phe Tyr Leu Lys Xaa Leu Ile Tyr Pro Glu Trp Gln Xaa
20 25 30
Leu Xaa Gln Ala Asp Gly His Asn Leu Xaa Ser Lys Xaa Phe Phe Ile
35 40 45

<210> 1511
<211> 33
<212> PRT
<213> Homo sapiens

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<400> 1511
Val Arg Xaa Ser Phe Leu Cys Thr Val Phe Leu Arg Arg Met Xaa Leu
1 5 10 15
Asp Ser Cys Leu Leu Ser Cys Ser Pro Ser Leu Ile Met Glu Leu Ser
20 25 30

Xaa

<210> 1512
<211> 61
<212> PRT
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<400> 1512
Lys Leu Val Pro Leu Gln Val Pro Val Arg Asn Ser Arg Ala Lys Tyr
1 5 10 15
Glu Asn Lys Ser Phe Glu Lys Asn Thr Val Cys Lys Ile Cys Ser Phe
20 25 30
Val Glu Val Met Val Leu Cys Phe Tyr Lys Ile Val Pro Thr Pro Phe
35 40 45
Phe Tyr Phe Arg Tyr Phe Ile Ser Thr Ile Ser Ile Asn
50 55 60

<210> 1513
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<212> PRT
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<400> 1513
Ile Pro Xaa Ser Ser Leu Gly Xaa Tyr Pro Cys Arg Tyr Arg Ser Gly
1 5 10 15
Ile Pro Gly Ser Thr His Ala Ser Val Xaa Leu Arg Cys Gly Ala Pro
20 25 30
Thr Ala Asp Xaa Ala Ala Gly Pro Xaa Arg Ser Ala Ala Xaa Arg Ser
35 40 45
Gln Glu Ala Gly Thr Ser Trp Lys Xaa Arg Pro Ala Arg
50 55 60

<210> 1514
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<400> 1514
Pro Arg Xaa Arg Ala Arg Arg Ala Glu Asp Gly Ile Gly Leu Asp Leu
1 5 10 15
Pro Leu Tyr Pro Ala His Pro Gln Asp Phe His Glu Val Glu Asp Leu
20 25 30
Ile Lys Thr Ala Ile Gly Asn Thr Leu Val Gln Asp Ile
35 40 45

<210> 1515
<211> 39
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<400> 1515
Ala Ser Ser Arg Ser Arg Ala Ala Ala Leu Phe Phe Phe Phe Phe Phe
1 5 10 15
Phe Phe Phe Phe Phe Ser Phe Ile Leu Leu Phe Ile Phe Pro Xaa Tyr
20 25 30
Xaa Asn Xaa Gln Gln Leu Xaa
35

<210> 1516
<211> 66
<212> PRT
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<400> 1516
Thr Leu Xaa Gly Leu Pro His Gln Xaa Gln His Xaa Asp Arg Pro Gln
1 5 10 15
Ser Cys Thr Phe Ala Pro Lys Leu Leu Phe Thr Xaa Pro Phe Asn Leu
20 25 30
Xaa Ala Ala Thr Thr Ser Gln Gly Arg His Arg Glu Gly Glu Xaa Arg
35 40 45
Lys Lys Ser Xaa Ser Leu Leu Ser Ser Lys Thr Thr Thr Asn Tyr Thr
50 55 60
Gly Phe
65

<210> 1517
<211> 75
<212> PRT
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<400> 1517
Arg Thr Arg His Glu Lys Xaa Gly Asp Lys Ser Arg Ile Asn Thr Gly
1 5 10 15
Cys Ser Gln Phe Cys Leu Leu Lys Lys Lys Lys Lys Lys Lys Lys
20 25 30
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
35 40 45
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60
Lys Lys Lys Lys Gly Gly Pro Val Xaa Xaa Xaa
65 70 75

<210> 1518
<211> 84
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<400> 1518

Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr Xaa
1 5 10 15

Ala Ser Xaa Lys Xaa Lys Gly Leu Gln Lys His Ser Phe Leu Cys Cys
20 25 30

Ser Leu Leu Gly Phe Met Gln Arg Gln Phe Cys Val Asn Val Gln Leu
35 40 45

Thr Leu Ile Trp Lys Tyr Glu Asn Gln Ser Ile Leu Val Ile Lys Asn
50 55 60

Phe Phe Thr Ile Val Ile Ile Leu Met Phe Ile Leu Cys Lys Ile Thr
65 70 75 80

His Leu Ile Lys

<210> 1519

<211> 52

<212> PRT

<213> Homo sapiens

<400> 1519

Phe Gln Leu Ser Pro Gly Thr Pro Lys Pro Leu Pro Leu Gly Leu Pro
1 5 10 15

Ser Gln Pro Val Pro Arg Thr Ser Ser Ser Pro Phe Gln Ile Ile Lys
20 25 30

Ser Met Asp Arg Ala Val Ser Glu Val Leu Thr Gln Gly Lys Lys Lys
35 40 45

Lys Lys Lys Lys
50

<210> 1520

<211> 45

<212> PRT

<213> Homo sapiens

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<400> 1520
Ile Asn Ile Cys Ser Phe Gln Lys Lys Lys Lys Lys Lys Lys Lys
1 5 10 15
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa
20 25 30
Gly Gly Arg Phe Lys Gly Xaa Lys Xaa Thr Tyr Xaa Xaa
35 40 45

<210> 1521
<211> 71
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1521
Xaa Thr His Leu Arg Ser Asp Trp Thr Arg Xaa Ile Ile Leu Arg Ile
1 5 10 15
Ala Asn Xaa Ser Leu Gly Leu Xaa Leu Xaa Val Asp Phe Ser Met Leu

20 25 30
Arg Xaa Xaa Pro Xaa Arg Leu Glu Leu Xaa Leu Asp Asp Xaa Glu Glu
35 40 45
Phe Glu Asn Ile Xaa Lys Asp Leu Glu Thr Arg Lys Lys Gln Lys Glu
50 55 60
Asp Val Glu Val Val Xaa Gly
65 70

<210> 1522
<211> 41
<212> PRT
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1522
Ser Glu Lys Val Lys Thr Ala Phe Thr Lys Pro Gly Arg Trp Gly Leu
1 5 10 15
Cys Glu Pro Leu Cys Thr Gly Ser Leu Arg Asp Ser Ala Trp Cys Ser
20 25 30
Arg Xaa Ile Leu Ala Xaa Val Gly Glu
35 40

<210> 1523
<211> 58
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1523
Gly His Ala Leu Leu His Leu Lys Asn Lys Leu Cys Ser Asn Cys His
1 5 10 15
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
20 25 30
Asn Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
35 40 45
Lys Lys Lys Xaa Gly Gly Xaa Phe Lys Xaa
50 55

<210> 1524
<211> 24
<212> PRT
<213> Homo sapiens

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<400> 1524
Pro Val Leu Thr His Gly Met Pro Pro Ala Ile Arg Pro Xaa Xaa Ser
1 5 10 15
Ser Trp Ser Ser Ser Thr Xaa Thr
20

<210> 1525
<211> 35
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1525
Ser Lys Ser Arg Glu Leu Pro Leu Leu Val Thr Cys Pro Leu Leu
1 5 10 15
Ser Ser Phe Cys Ser Gly Lys Pro Trp Asp Ser Ala Xaa Thr Tyr His
20 25 30
Cys Arg Cys
35

<210> 1526
<211> 33
<212> PRT
<213> Homo sapiens

<400> 1526
Ser Leu Ala Lys His Leu Asn His Leu Ser Ile Leu Ser Trp Phe Ile
1 5 10 15
Ile Ile Lys Ala Gln Asn Asn Leu Leu Leu Glu Asn Met Cys Phe Tyr
20 25 30
Lys

<210> 1527
<211> 85
<212> PRT
<213> Homo sapiens

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<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1527

Xaa Gly Xaa Gly Glu Thr Gln Gly Xaa Ala Met Gly Cys Met Val Ala
1 5 10 15

Ser Gly Leu Leu Thr Gly Leu Ala Glu Val Leu Xaa Xaa Leu Xaa Xaa
20 25 30

Thr Xaa Gln Xaa Gly Xaa Xaa Gln Tyr Xaa Xaa Phe Arg Val Xaa Leu
35 40 45

Glu Ser Met Xaa Xaa Leu Xaa Asp Leu Glu Ala Xaa Trp Ala Pro Ser
50 55 60

Pro Xaa Leu Glu Ala Xaa Xaa Leu Leu Ala Ala Val Cys His His Pro
65 70 75 80

Ala Leu Xaa Leu Arg
85

<210> 1528

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1528

Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser
1 5 10 15

Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu
20 25 30

Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu
35 40 45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr
50 55

<210> 1529

<211> 90

<212> PRT

<213> Homo sapiens

<400> 1529

Cys Phe Ser Leu Cys Met Gly Gly Thr Ser Ala Val Ser Glu Ser Thr

1 5 10 15
Thr Ile Ser Ser Gly Ala Gly Pro Ser Ala Arg Pro Gln Lys Asn Arg
20 25 30
Arg Pro Gln Glu Ser Cys Arg Thr Gly Gly Leu Phe Leu Leu Ser Arg
35 40 45
Glu Ala Gln Gly Met Leu Trp Arg Asp Phe Thr Cys His His Phe Gln
50 55 60
Val Asn Arg Thr Arg Ala Leu Met Val Phe Lys Pro Cys Trp Lys Lys
65 70 75 80
Val Pro Met Val Ser Leu Val Leu Pro Val
85 90

<210> 1530
<211> 62
<212> PRT
<213> Homo sapiens

<400> 1530
Ala Asn Leu Gln Pro Lys Asn Leu Phe Lys Arg His Leu Trp Ser Cys
1 5 10 15
Asp Glu Thr Ser Ser Lys Thr His Ser Lys Thr Pro Leu Pro Pro Val
20 25 30
Gly His Gln Ser Ala Thr Lys His Glu Gln Ile Leu Leu Leu Ile Gly
35 40 45
Phe Pro Cys Asp Leu Val Pro Glu Val Phe Gly Ser Val Gln
50 55 60

<210> 1531
<211> 31
<212> PRT
<213> Homo sapiens

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<400> 1531
Cys Asn Ile Ile Glu Met Lys Xaa Ser Leu Val Gly Thr Asp Ser Leu
1 5 10 15
Phe Ile Xaa Leu Gln Ser Leu Arg Ile His Xaa Xaa Lys Xaa His
20 25 30

<210> 1532
<211> 26
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1532

Ala Val Ser Ala Val Gln Tyr Ser Thr Asp Arg Trp Thr Gln Xaa Xaa
1 5 10 15

Xaa His Xaa Gly Asn Arg His Leu Ser Ser
20 25

<210> 1533

<211> 55

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1533
His Xaa Ser Val Gln Leu Arg Thr Val Xaa Xaa Pro Ala Xaa Val Asn
1 5 10 15
Glu Pro Val Pro Xaa Xaa Ser Xaa Ser Lys Pro Pro Met Ser Ile Ser
20 25 30
Phe Xaa Ala His Leu Asn Thr Cys Xaa Tyr Ile Leu Tyr Ser Xaa Gln
35 40 45
Asn Asn Leu Tyr Leu Ile Xaa
50 55

<210> 1534
<211> 48
<212> PRT
<213> Homo sapiens

<220>
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<400> 1534
Gly Thr Leu Val Leu Asn Gln Xaa Ser Xaa Ser Leu Phe Met Tyr Cys
1 5 10 15
Phe Thr Xaa Phe Tyr Ser Tyr Val Lys Phe Trp Ile Asn Xaa Xaa Xaa
20 25 30
Cys Asn Tyr Lys Leu Arg Pro Val Xaa Leu Phe Leu Lys Ala Pro Tyr
35 40 45

<210> 1535
<211> 53
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1535

Met	Gly	Pro	Leu	Ser	Ala	Xaa	Xaa	Cys	Arg	Leu	His	Val	Pro	Trp	Lys
1				5					10					15	

Glu	Val	Leu	Leu	Thr	Ala	Leu	Leu	Val	Xaa	Xaa	Trp	Asn	Pro	Pro	Thr
		20						25					30		

Thr	Ala	Lys	Leu	Thr	Ile	Glu	Ser	Xaa	Pro	Phe	Xaa	Val	Ala	Xaa	Gly
		35					40					45			

Lys	Glu	Val	Leu	Leu
				50

<210> 1536

<211> 70

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1536

Xaa Ile Ile Asn Thr Leu Leu Ala Leu Leu Leu Ile Ile Ile Thr Phe
1 5 10 15

Xaa Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu
20 25 30

Cys Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys
35 40 45

Phe Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala
50 55 60

Leu Leu Leu Pro Leu Pro
65 70

<210> 1537

<211> 53

<212> PRT

<213> Homo sapiens

<400> 1537

Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu Cys
1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe
20 25 30

Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala Leu
35 40 45

Leu Leu Pro Leu Pro
50

<210> 1538

<211> 53

<212> PRT

<213> Homo sapiens

<220>

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<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1538

Leu Pro Gln Leu Asn Gly Tyr Ile Lys Lys Ser Thr Pro Tyr Xaa Cys
1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe
20 25 30

Phe Leu Val Xaa Ile Thr Phe Leu Leu Phe Asp Leu Lys Ile Ala Leu
35 40 45

Leu Leu Pro Leu Pro
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<210> 1539

<211> 53

<212> PRT

<213> Homo sapiens

<400> 1539

Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu Cys
1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe
20 25 30

Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala Leu
35 40 45

Leu Leu Pro Leu Pro
50

<210> 1540

<211> 57

<212> PRT

<213> Homo sapiens

<400> 1540

Val Cys Phe Lys Gly Leu Tyr Leu Thr Asn Gly Phe Pro Leu Thr Glu
1 5 10 15

Leu Val Phe Ile Ser Asp Leu Thr Pro Leu Leu Asn Gly Ser Ser Gln
 20 25 30
 Asp Arg Met Phe Val Thr Thr Val Leu Glu Ile Glu Gln Leu Leu Ala
 35 40 45
 Arg Val Gly Val Leu Lys Asp Ser Ile
 50 55

<210> 1541
 <211> 137
 <212> PRT
 <213> Homo sapiens

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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1541
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 1 5 10 15
 Ser Tyr Gly Leu Glu Lys Gly Ser Leu Gly Met Pro Ser Glu Val Gly
 20 25 30
 Asp Arg Ala Gly Ala Gln Ala Pro Val Arg Asn Gly Arg Tyr Leu Ala
 35 40 45
 Ser Cys Gly Ile Leu Met Ser Arg Thr Leu Pro Leu His Thr Ser Ile
 50 55 60
 Leu Pro Lys Glu Ile Cys Ala Arg Thr Phe Phe Lys Ile Thr Ala Pro
 65 70 75 80
 Leu Ile Asn Lys Arg Lys Xaa Tyr Ser Glu Arg Arg Ile Leu Gly Tyr
 85 90 95
 Ser Met Gln Glu Met Tyr Asp Val Val Ser Gly Val Glu Asp Tyr Lys
 100 105 110
 His Phe Val Pro Trp Cys Lys Lys Ser Asp Val Ile Ser Lys Arg Ser
 115 120 125
 Gly Tyr Cys Lys Thr Arg Leu Glu Ile
 130 135

<210> 1542
<211> 122
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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1

5

10

15

Glu Ala Lys Gly Asn Glu Val Arg Pro Ser Gly Arg Val Phe Leu Ser

20

25

30

Ser Ala Ala Leu Arg Leu Thr Cys Thr Phe Ser Ser Gly Xaa Gly Pro

35

40

45

Ser Cys Gln Pro Phe Gln Asn Ile Phe Pro Trp Ile Leu Arg Tyr Leu

50

55

60

Thr Phe Gln Asp Ser Arg Val Leu Ile Ile Xaa Leu Gly Asn Phe Trp

65

70

75

80

Xaa Xaa Trp Thr Gln Ser Xaa Phe Leu Lys Phe Xaa Pro Gln Gly Leu

85

90

95

Pro Ala Leu Gly Gly Ser Lys Val Phe Pro Lys Gly Pro Xaa Xaa Pro

100

105

110

Ala Pro Phe Phe Lys Xaa Arg Ile Xaa Ser

115

120

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<211> 57

<212> PRT

<213> Homo sapiens

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<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

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Tyr Pro Ala Ser Gln Ile Val His His Phe Met Glu Leu Cys Trp Asp
1 5 10 15

Lys Cys Val Glu Lys Pro Gly Asn Arg Leu Asp Ser Arg Thr Glu Asn
20 25 30

Cys Leu Ser Ser Cys Val Asp Arg Phe Ile Asp Thr Thr Leu Ala Xaa
35 40 45

Thr Gln Ser Val Cys Pro Xaa Leu Xaa
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<210> 1544

<211> 63

<212> PRT

<213> Homo sapiens

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1 5 10 15

Thr Pro Gln Glu Lys Xaa Ala Ile Glu Arg Leu Lys Ala Leu Gly Phe
20 25 30

Pro Glu Gly Leu Val Ile Gln Ala Tyr Phe Ala Cys Glu Lys Asn Glu
35 40 45

Asn Leu Ala Ala Asn Phe Leu Leu Gln Gln Asn Phe Asp Glu Asp
50 55 60

<210> 1545

<211> 124

<212> PRT

<213> Homo sapiens

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Ser Leu Gly Leu Cys Cys Cys Thr Ile Leu Ile Cys Pro Thr Gln Ile
20 25 30
Glu Gly Val Pro Leu Ala Glu Gly Leu Thr Pro Gln Glu Ile Cys Asp
35 40 45
Lys Tyr His Ile Ile His Ala Asp Ile Tyr Arg Trp Phe Asn Ile Ser
50 55 60
Phe Asp Ile Phe Gly Arg Thr Thr Thr Pro Gln Gln Thr Lys Ile Thr
65 70 75 80
Gln Asp Ile Phe Gln Gln Leu Leu Lys Arg Ser Phe Val Leu Gln Asp
85 90 95
Thr Val Xaa Gln Leu Arg Cys Glu His Cys Ala Arg Phe Leu Ala Asp
100 105 110
Arg Phe Arg Gly Arg Arg Val Ser Leu Leu Trp Leu
115 120

<210> 1546

<211> 184

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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1 5 10 15

Lys His Asp Ala Asp Ser Phe Tyr Gln Phe Ser Cys Asn Ile Cys Gly
20 25 30

Lys Lys Phe Glu Lys Lys Asp Ser Val Val Ala His Lys Ala Lys Ser
35 40 45

His Pro Glu Val Leu Ile Ala Glu Ala Leu Ala Ala Asn Ala Gly Ala
50 55 60

Leu Ile Thr Ser Thr Asp Ile Leu Gly Thr Asn Pro Glu Ser Leu Thr
65 70 75 80

Gln Pro Ser Asp Gly Gln Gly Leu Pro Leu Leu Pro Glu Pro Leu Gly
85 90 95

Asn Ser Thr Ser Gly Glu Cys Leu Leu Leu Glu Ala Glu Gly Met Ser
100 105 110

Lys Ser Tyr Cys Ser Gly Thr Glu Arg Val Ser Leu Met Ala Asp Gly
115 120 125

Lys Ile Phe Val Gly Ser Gly Ser Ser Gly Gly Thr Glu Gly Leu Val
130 135 140

Met Asn Ser Asp Ile Leu Gly Ala Thr Thr Glu Val Leu Ile Glu Asp
145 150 155 160

Ser Asp Ser Ala Gly Pro Xaa Trp Thr Gly Arg Leu Gly Ala Trp Asp
165 170 175

Ser Ser Asp Phe Val Phe Lys Ser
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<211> 733

<212> DNA

<213> Homo sapiens

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aattcgaggg tgcaccgtca gtcttctctt tccccccaaa acccaaggac accctcatga 120
tctccccggac tcctgaggtc acatgcgtgg tgggtggacgt aagccacgaa gaccctgagg 180
tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgaggg 240
aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
ggctgaatgg caaggagtac aagtgcagg tctccaacaa agccctccca acccccatcg 360
agaaaacat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
catccccgga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct 480
atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540

ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg 600
acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcac gaggctctgc 660
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<211> 5

<212> PRT

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<210> 1549

<211> 86

<212> DNA

<213> Homo sapiens

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cccgaaatat ctgccatctc aattag 86

<210> 1550

<211> 27

<212> DNA

<213> Homo sapiens

<400> 1550

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<210> 1551

<211> 271

<212> DNA

<213> Homo sapiens

<400> 1551

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gcccctaact ccgcccagtt ccgcccattc tccgcccatt ggctgactaa ttttttttat 180

ttatgcagag gccgaggccg cctcgccctc tgagctattc cagaagtagt gaggaggctt 240
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<210> 1552
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<400> 1552
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<210> 1553
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<212> DNA
<213> Homo sapiens

<400> 1553
gcgaagcttc gcgactcccc ggatccgcct c 31

<210> 1554
<211> 12
<212> DNA
<213> Homo sapiens

<400> 1554
ggggactttc cc 12

<210> 1555
<211> 73
<212> DNA
<213> Homo sapiens

<400> 1555
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ccatctcaat tag 73

<210> 1556
<211> 256
<212> DNA
<213> Homo sapiens

<400> 1556
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cagttccgcc catttccgc cccatggctg actaatTTTT tttatttatg cagaggccga 180
ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240

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1629

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cttttgcaaa aagctt

256

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/05883

A. CLASSIFICATION OF SUBJECT MATTER IPC(6) : C12P 21/04; C12N 15/00; C07H 21/02 US CL : 435/70.1, 320.1; 536/23.1 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 435/70.1, 320.1; 536/23.1 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ---	SCANLAN et al. Characterization of Human Colon Cancer Antigens Recognized by Autologous Antibodies, Int. J. Cancer, 1998, Vol. 76, pages 652-658.	1-4, 11-12, 16
Y		5-10, 14-15
X ---	TANAKA et al. A Novel Variant of Human Grb7 Is Associated with Invasive Esophageal Carcinoma, J. Clin. Invest., August 1998, Vol. 102, No. 4, pages 821-827.	1-4, 11-12, 16
Y		5-10, 14-15
X ---	KISHI et al. Molecular Cloning of Human GRB-7 Co-amplified with CAB1 and c-ERBB-2 in Primary Gastric Cancer, Biochemical and Biophysical Research Communications, 1997, Vol. 232, pages 5-9.	1-4, 11-12, 16
Y		5-10, 14-15
X ---	JIANG et al. Subtraction hybridization identifies a novel melanoma differentiation associated gene, mda-7, modulated during human melanoma differentiation, growth and progression, Oncogenes, 1995, Vol. 11, pages 2477-2486.	1-4, 11-12, 16
Y		5-10, 14-15
X ---	MUELLER et al. Polymerase Chain Reaction Selects a Novel Disintegrin Proteinase from CD40-Activated Germinal Center Dendritic Cells, J. Exp. Med., August 1997, Vol. 186, No. 5, pages 655-663.	1-4, 11-12, 16
Y		5-10, 14-15
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"O" document referring to an oral disclosure, use, exhibition or other means	"Z" document member of the same patent family	
"P" document published prior to the international filing date but later than the priority date claimed		
Date of the actual completion of the international search	Date of mailing of the international search report	
18 May 2000 (18.05.2000)	13 JUN 2000	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230	Authorized officer Young J. Kim <i>Jerry J. Deyfor</i> Telephone No. (703) 308-0196	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/05883

C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ---	FOJO et al. Donor Splice Site Mutation in the Apolipoprotein (Apo) C-II Gene (APO C-II Hamburg) of a Patient with APO C-II Deficiency, The Journal of Clinical Investigations, November 1988, Vol. 82, pages 1489-1494.	1-4, 11-12, 16
Y		5-10, 14-15
X ---	JACKSON et al. Isolation of cDNA and Genomic Clones for Apolipoprotein C-II, Methods in Enzymology, 1986, Vol. 128, pages 788-800.	1-4, 11-12, 16
Y		5-10, 14-15
X ---	HILLIER et al. Generation and Analysis of 280,000 Human Expressed Sequence Tags, Genome Research, 1996, Vol. 6, No. 9, pages 807-828.	1-4, 11-12, 16
Y		5-10, 14-15
Y	WATSON et al. The Science Used in the Recombinant DNA Industry. In: Recombinant DNA, W.H. Freeman and Company, 1983, pages 231-241.	7-10, 14-15

INTERNATIONAL SEARCH REPORT

Intern. nal application No.

PCT/US00/05883

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claim Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
Please See Continuation Sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-12,14,15,16,21

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/05883

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-12, 14, 15, 16, and 21, drawn to cDNA, polypeptides, genes, a method of using the cDNA to make host cells comprising the cDNA, and a method of making the polypeptide.

Group II, claim(s) 13, drawn to an antibody specific for the polypeptides of Group I.

Group III, claim(s) 17, drawn to a therapeutic method of using the cDNA or the polypeptide of Group I.

Group IV, claim(s) 18 and 19, drawn to a diagnostic method of using the cDNA or polypeptide of Group I.

Group V, claim(s) 20, drawn to a method of using the polypeptide of Group I to isolate a binding partner.

Group VI, claim(s) 22, drawn to a method of using the cDNA of Group I to identify the activity of the polypeptide encoded by the cDNA.

Group VII, claim(s) 23, drawn to the binding partner made by the method of Group V.

The inventions listed as Groups I-VII do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: PCT Rule 13.1 and Annex B do not provide for unity of invention between two or more different products or methods of use that share a special technical feature.

In addition, each Group detailed above reads on distinct Groups drawn to multiple SEQ ID Numbers. The sequences are distinct because they are unrelated sequences, and a further lack of unity is applied to each Group. The lack of unity is partially waived and the Applicants must further elect 10 SEQ ID Numbers for examination in the elected Group detailed above.

Continuation of B. FIELDS SEARCHED Item 3: SEQUENCE DATABASES (US PATENT, INTERFERENCE, COMMERCIAL)

STN COMMERCIAL DATABASE (Biosis, Medline, Embase, Embal, SciSearch, BiotechDS, CaPlus)

Search Terms: Recombinant, Host, Cell, Vector, peptide, protein, cDNA